IARS SCHEDULE





3:00 pm - 5:00 pm

Agora / Centre-Ville

Journal Symposium

Research Highlights and Future of Publishing: Perspectives of Journal Editors

Moderated by Colleen Koch, MD MS, MBA, FACC, FASA, Johns Hopkins University School of Medicine

Research Highlights: Canadian Journal of Anesthesia

Gregory L. Bryson, MD, MSc, University of Ottawa, The Ottawa Hospital

Research Highlights: British Journal of Anaesthesia

Hugh C. Hemmings, MD, PhD, FRCA, Weill Cornell Medical College

Research Highlights: Anesthesia & Analgesia

Angela Enright, OC, MB, FRCPC, University of British Colombia; Royal Jubilee Hospital

Research Highlights: Anesthesiology

Evan Kharasch, MD, PhD, Duke University School of Medicine

Plan S and the Future of Biomedical Journals

Gregory L. Bryson, MD, MSc; Angela Enright, OC, MB, FRCPC; Hugh C. Hemmings, MD, PhD, FRCA & Evan Kharasch, MD, PhD

5:15 pm - 6:45 pm

Agora / Centre-Ville

Panel

Peri-Operative Myocardial Injury and Infarction: Pathophysiology, Prognosis and Treatment

Moderated by W. Scott Beattie, MD, PhD, FRCPC, University of Toronto Faculty of Medicine

Pathophysiology of Perioperative Myocardial Injury and Infarction

Giora Landesberg, MD, DSc, MBA, Hadassah Women's Organization, Hadassah - Hebrew University Medical Center

Should We Measure Cardiac Biomarkers before and after Surgery?

Peter Nagele, MD, MSc, University of Chicago Medicine

Treatment Options for Myocardial Injury or Infarction after Noncardiac Surgery

Duminda Nalaka Wijeysundera, MD, PhD, FRCPC, University of Toronto Faculty of Medicine

5:30 pm - 6:30 pm

Square Victoria

Scholars' Program Mentoring and Networking Reception

Meet and network with the leaders of the anesthesiology field – and Scholars' Program participants will be paired with mentors.

This reception is part of the Scholars' Program, and a ticketed event, visit registration for details.

7:00 pm - 8:30 pm

Taste of Montreal Dine-Around

If you haven't already, be sure to pre-register for this intimate dining experience at registration. Space is limited; dinner costs are the responsibility of each attendee.



8:00 am - 5:00 pm

Place du Canada / Square Dorchester

IARS POSTER SESSION D: OPEN VIEWING

6:45 am - 7:45 am

Parc Mont-Royal

Continental Breakfast

6:45 am - 7:45 am

Rue Crescent

Preparing for Retirement Continental **Breakfast***

6:45 am - 7:45 am

Square Victoria

IARS First-Time Attendee Orientation Continental Breakfast*

8:00 am - 9:30 am

Agora / Centre-Ville

Opening Session and T.H. Seldon Memorial Lecture: The Global Anesthesia and Surgical Crisis: What Can We Do?

10:00 am - 10:45 am

Av. Van-Horne

RCL: The ASRA Regional and Pain Anticoagulation Guidelines

10:00 am - 11:00 am

Vortex

PBLD: Multiple Challenges during Trans-Catheter Pulmonary Valve Implantation for Severe Stenosis and Regurgitation of an RV to PA Conduit*

10:00 am - 11:00 am

Ping

PBLD: Let Me Outta Here! Can There Be AMA Discharge from PACU?*

10:00 am - 11:30 am

Av. Laurier

Panel: Nudging Physicians to Change Behavior: The Theory, Conduct, and Critical Assessment of Nudge-Type Interventions

10:00 am - 11:30 am

Av. Duluth

Panel: Information Technology, Decision Support, Machine Learning, and Artificial Intelligence: How They Will Transform the Practice of Anesthesiology

10:00 am - 12:00 pm

Agora / Centre-Ville

AUA Symposium: Anesthesia and Consciousness: How Investigations of the Anesthetized State Shape Current Concepts of Consciousness

11:30 am - 1:00 pm

Av. Laurier

Panel: Physician Wellness in Hospital Medicine: Thriving, Not Simply Surviving

11:30 am - 1:00 pm

Av. Duluth

WFSA and IARS Panel: Controversies in Global Health

11:30 am – 1:00 pm

Av. Van-Horne

SOCCA Panel: Towards Precision Medicine Intensive Care Unit

12:15 pm - 1:00 pm

Agora / Centre-Ville

RCL: The Development, Use, and Limitations of Standards, Guidelines and Best Practices

12:00 pm - 1:00 pm

Vortex

PBLD: Tonsillectomy in Obese Children with Down Syndrome: Not Just Another T&A!*

12:00 pm - 1:00 pm

Ping

PBLD: Random Drug Testing in Anesthesia: Prevention and Protection or Invasive and Generation of a Slippery Slope?*

^{*}Ticketed event, visit registration for details

79 SATURDAY, MAY 18 AT-A-GLANCE: IARS

1:00 pm - 2:30 pm

Place du Canada / Square Dorchester

IARS Poster Session D – Presenters in Attendance

1:00 pm - 2:30 pm

Lunch on Your Own

2:30 pm - 3:15 pm

Av. Van-Horne

RCL: Pain Outcomes, Patient Registries and Learning Health Systems: Delivery of Best Pain Care at Lower Cost

2:30 pm - 3:30 pm

Vortex

SNACC PBLD: Anesthesia for Stroke: Challenges and Opportunities

2:30 pm - 4:00 pm

Av. Laurier

ISPCOP Panel: Fables, Facts and Best Practice Updates: The Patient with Obesity

2:30 pm - 4:00 pm

Agora / Centre-Ville

SOAP Panel: Attaining the Opioid-Free Cesarean Delivery

2:30 pm - 4:00 pm

Av. Duluth

SAMBA Innovative Session: Wait, You Can't Do That: Or Can You? Controversies in Ambulatory Anesthesia

2:30 pm - 5:30 pm

Rue Saint-Denis

Workshop: Reflections on the Balancing Act between Work and Life*

4:00 pm - 4:30 pm

Break

4:30 pm - 5:15 pm

Av. Van-Horne

SOCCA RCL: Reducing Variation in Red Blood Cell Transfusions: Are We Making Progress?

4:30 pm - 5:30 pm

Vortex

PBLD: Perioperative Pain Management in Patients on Buprenorphine*

4:30 pm - 6:00 pm

Av. Laurier

eSAS Panel: Getting Beyond the Anesthesiology Department: Broad Impact through Broad Thinking

4:30 pm - 6:30 pm

Agora / Centre-Ville

International Science Symposium: Dementia: Let's Stop Losing Our Minds

4:30 pm - 6:30 pm

Av. Duluth

Innovative Session: A Walking History of Medicine in Montreal: Osler, Penfield and Bethune*

5:30 pm - 6:15 pm

Av. Van-Horne

SOCCA RCL: What Is the Magic Number? Blood Pressure Thresholds in the Operating Room, ICU and Beyond

6:15 pm - 8:00 pm

Place du Canada / Square Dorchester

Alignment Reception

^{*}Ticketed event, visit registration for details

WELCOME TO ALIGNED MEETING DAY!

Every IARS, AUA and SOCCA attendee is welcome at every session today. If a session is a ticketed event, please visit the Registration Desk to find out if space is still available.

6:45 am - 7:45 am

Parc Mont-Royal

6:45 am – 7:45 am

Square Victoria

Continental Breakfast

Come meet your fellow anesthesiologists over a cup of coffee – you never know who you'll run into!

6:45 am - 7:45 am

Rue Crescent

Planning for Retirement Continental Breakfast It's never too early (or late) to start planning for retirement. Come talk to others about steps you can take to make sure you're ready!

Ticketed event; visit the Registration Desk for details.

IARS First-Time Attendee Continental Breakfast If you've never been to the IARS Annual Meeting (or you just want a few pointers) here's your chance to learn from the experts how to get the most from your Annual Meeting experience. Ticketed event; visit the Registration Desk for details.

8:00 am - 9:30 am

Agora / Centre-Ville

OPENING SESSION AND T.H. SELDON MEMORIAL LECTURE

The Global Anesthesia and Surgical Crisis: What Can We Do?

Welcome Comments

Colleen Koch, MD, MS, MBA, FACC, The Johns Hopkins University School of Medicine, IARS Board of Trustees Chair

Introduction

Davy Cheng, MD, MSc, FRCPS, FCAHS, CCPE, IARS Board of Trustees; World Federation of Societies of Anaesthesiologists Chair, Scientific Affairs Committee

The Global Anesthesia and Surgical Crisis: What Can We Do?

Jannicke Mellin-Olsen, MD, DPH, Baerum Hospital; President-Elect, World Federation of Societies of Anaesthesiologists



8:00 am - 5:00 pm

Place du Canada / Square Dorchester

IARS Poster Session D: Open Viewing

For session details, see the IARS Posters tab.

9:30 am - 10:00 am

Break

10:00 am - 10:45 am

Av. Van-Horne

Review Course Lecture

The ASRA Regional and Pain Anticoagulation Guidelines

Host: Aryeh Shander, MD, FCCM, FCCP, FASA, Englewood Hospital and Medical Center Speaker: Honorio Benzon, MD, Northwestern University Feinberg School of Medicine

10:00 am - 11:00 am

Vortex

Problem-Based Learning Discussion Multiple Challenges during Trans-Catheter Pulmonary Valve Implantation for Severe Stenosis and Regurgitation of an RV to PA Conduit

Sheela Pai Cole, MD, Stanford University School of Medicine & Mounir Banoub, MD, MBA, CPE, FAAPL, FASA, Augusta University Medical Center Ticketed event; visit the Registration Desk for details.

10:00 am - 11:00 am

Ping

Problem-Based Learning Discussion Let Me Outta Here! Can There Be AMA Discharge from PACU?

Linda Liu, MD, University of California, San Francisco School of Medicine & Karl Poterack, MD, Mayo Clinic

Ticketed event; visit the Registration Desk for details.

10:00 am - 11:30 am

Av. Laurier

Panel

Nudging Physicians to Change Behavior: The Theory, Conduct, and Critical Assessment of Nudge-Type Interventions

Moderated by Craig S. Jabaley, MD, Emory University Hospital

Behavioral Change in Perioperative Quality Improvement: Lessons from the Business World

Grant Lynde, MD, MBA, Emory University Hospital

Applications of Nudge Theory in the Anesthesiology and Perioperative Domains

Craig S. Jabaley, MD, Emory University School of Medicine

Implementation and Assessment of Nudge-Type and Other Quality Improvement Interventions

Vikas N. O'Reilly-Shah, MD, PhD, Emory University School of Medicine

10:00 am - 11:30 am

Av. Duluth

Panel

Information Technology, Decision Support, Machine Learning, and Artificial Intelligence: How They Will Transform the Practice of Anesthesiology

Moderated by Ronald Pearl, MD, PhD, Stanford University School of Medicine

Use of Information Technology and Decision Support in Anesthesiology

Warren S. Sandberg, MD, PhD, Vanderbilt University School of Medicine

Closed-Loop Anesthesia Administration

Thomas Hemmerling, MD, MSc, DEAA, McGill University

Machine Learning for Improving Management of Acute and Chronic Pain

Timothy T. Houle, PhD, Massachusetts General Hospital

The Future of Artificial Intelligence and Its Impact on Anesthesiology

Steven L. Shafer, MD, Stanford University School of Medicine

10:00 am - 12:00 pm

Agora / Centre-Ville



AUA Symposium

Anesthesia and Consciousness: How Investigations of the Anesthetized State Shape Current Concepts of Consciousness

Moderated by Ines P. Koerner, MD, PhD, Oregon Health & Science University, AUA Education Chair

The Controversial Correlates of Consciousness

George A. Mashour, MD, PhD, University of Michigan Medicine

Consciousness, Sensory Disconnection and Anesthesia

Robert Sanders, MBBS, PhD, FRCA, University of Wisconsin School of Medicine and Public Health

Subcortical Arousal Systems and Emergence from General Anesthesia

Ken Solt, MD, Harvard Medical School; Massachusetts General Hospital

Using Anesthesia to Probe Disorders of Consciousness

Stefanie Blain-Moraes, PhD, McGill University

11:30 am - 1:00 pm

Av. Laurier

Panel

Physician Wellness in Hospital Medicine: Thriving, Not Simply Surviving

Moderated by Santhanam Suresh, MD, Ann & Robert H. Lurie Children's Hospital of Chicago

Physician Wellness in Hospital Medicine: Thriving, Not Simply Surviving

Santhanam Suresh, MD, Ann & Robert H. Lurie Children's Hospital of Chicago

Creating a Culture of Wellness

To be announced

Improving Practice Efficiency

Jeffery S. Vender, MD, The University of Chicago Medicine

Becoming a More Resilient Physician

Gregory B. Hammer, MD, Stanford University School of Medicine

11:30 pm -1:00 pm

Av. Duluth





WFSA and IARS Panel Controversies in Global Health

Moderated by Davy Cheng, MD, MSc, FRCPS, FCAHS, CCPE; WFSA Chair, Scientific Affairs Committee; IARS Board of Trustees

Surgical Safety Checklist: Impact on Postoperative Outcomes

Janet Martin, MSc (HTA&M), PharmD, Western University; MEDICI Centre

Perioperative FiO2 on Postoperative Morbidity and Wound Infection

Janet Martin, MSc (HTA&M), PharmD, Western University; MEDICI Centre

Global Perspective on Task-Sharing in Anesthesia

Jannicke Mellin-Olsen, MD, DPH, Baerum Hospital

11:30 pm – 1:00 pm

Av. Van-Horne



SOCCA Panel

Towards Precision Medicine Intensive Care Unit

Moderated by Robert D. Stevens, MD, FCCM, Johns Hopkins University School Of Medicine

Clinical Informatics for Predictive and Prognostic Modeling in the ICU

Vitaly Herasevich, MD, PhD, Mayo Clinic

Omics Applications in Neurotrauma Research: From Pathobiology to

Alan I. Faden, MD, University of Maryland School of Medicine

Machine Learning in Intensive Care Medicine

Robert D. Stevens, MD, FCCM, Johns Hopkins School of Medicine

The NIH All of Us Precision Health Initiative

Sachin Kheterpal, MD, MBA, University of Michigan Medicine

12:15 pm - 1:00 pm

Agora / Centre-Ville

Review Course Lecture

The Development, Use, and Limitations of Standards, Guidelines and Best Practices

Host: Roman Schumann, MD, Tufts Medical Center

Speaker: Karl Poterack, MD, Mayo Clinic College of Medicine and Science

12:00 pm - 1:00 pm

Vortex

Problem-Based Learning Discussion Tonsillectomy in Obese Children with Down Syndrome: Not Just Another T&A!

Kumar G. Belani, MBBS, MS, University of Minnesota; Wilson T. Chimbira, MD, FRCA, University of Michigan Medicine & Olubukola O. Nafiu, MD, FRCA, MS, University of Michigan Medicine

Ticketed event; visit the Registration Desk for details.

12:00 pm - 1:00 pm

Ping

Problem-Based Learning Discussion Random Drug Testing in Anesthesia: Prevention and Protection or Invasive and Generation of a Slippery Slope?

Keith Baker, MD, PhD, Massachusetts General Hospital; Richard C. Prielipp, MD, University of Minnesota & Mark Rice, MD, Vanderbilt University School of Medicine

Ticketed event; visit the Registration Desk for details.

1:00 pm - 2:30 pm

Place du Canada / Square Dorchester

IARS Poster Session D

For session details, see the IARS Posters tab.

1:30 pm - 2:30 pm

Lunch On Your Own

Check out the Marché Artisans for a quick bite, or any of the many restaurants located in the hotel.

2:30 pm - 3:15 pm

Av. Van-Horne

Review Course Lecture

Pain Outcomes, Patient Registries and Learning Health Systems: Delivery of Best Pain Care at Lower Cost

Host: Danielle Ludwin, MD, Columbia University

Medical Center

Speaker: Sean Mackey, MD, PhD, Stanford

University School of Medicine

2:30 pm - 3:30 pm

Vortex



SNACC Problem-Based Learning Discussion Anesthesia for Stroke: Challenges and Opportunities

Lauren Berkow, MD, University of Florida College of Medicine & Shobana Rajan, MD, Cleveland Clinic Ticketed event; visit the Registration Desk for details.

2:30 pm - 4:00 pm

Av. Laurier



ISPCOP Panel

Fables, Facts and Best Practice Updates: The Patient with Obesity

Moderated by Roman Schumann, MD, Tufts University School of Medicine

NPO Assessment in the Obese Patient: When Ultrasound Can Help and How to Do It: Any Evidence?

Peter B.C. Van de Putte, MD, AZ Monica Campus Deurne

Non-Invasive Hemodynamic Monitoring in Obese Patients: A Challenge, and What Do We Know?

Roman Schumann, MD, Tufts Medical Center

Antibiotics, Heparins and Vasopressors: Evidence-Based Optimized Dosing Guidance

Luc De Baerdemaeker, MD, PhD, Ghent University Hospital; UZ Gent Hospital

Intubation and Extubation for the Obese Patient: Myths and Safe Approaches

Tiffany Moon, MD, University of Texas Southwestern 2:30 pm - 4:00 pm

Agora / Centre-Ville



SOAP Panel

Attaining the Opioid-Free Cesarean Delivery

Moderated by Brendan Carvalho, MBBCh, FRCA, Stanford University School of Medicine

Opioid Use after Cesarean Delivery

Brendan Carvalho, MBBCh, FRCA, Stanford University School of Medicine

In-Hospital Opioid-Sparing Multimodal Analgesic Techniques

Pervez Sultan, MD, MB, ChB, FRCA, University College London Hospital

Changing Opioid Prescription Patterns after Cesarean Delivery

Brian Bateman, MD, MSc, Brigham and Women's Hospital

2:30 pm - 4:00 pm

Av. Duluth



SAMBA Innovative Session

Wait, You Can't Do That: Or Can You? Controversies in Ambulatory Anesthesia

Moderated by Niraja Rajan, MD, Penn State Milton S. Hershey Medical Center Girish P. Joshi, MB BS, MD, FFARCSI, University of Texas Southwestern Medical Center Richard D. Urman, MD, MBA, CPE, FASA, Brigham and Women's Hospital; Harvard Medical School

2:30 pm - 5:30 pm

Rue Saint-Denis

Workshop

Reflections on the Balancing Act Between Work and Life

Guelay Bilen-Rosas, MD, University of Wisconsin School of Medicine and Public Health; James Fehr, MD, Washington University School of Medicine; Norah R. Janosy, MD, University of Colorado Denver School of Medicine; Kathrine Keech, MD, University of Iowa; Martha Wynn, MD, University of Wisconsin School of Medicine and Public Health & Myron Yaster, MD, University of Colorado Denver School of Medicine

Ticketed event; visit the Registration Desk for details.

4:00 pm - 4:30 pm

Break

4:30 pm - 5:15 pm

Av. Van-Horne



SOCCA Review Course Lecture Reducing Variation in Red Blood Cell Transfusions: Are We Making Progress?

Host: Angus Christie, MD, Spectrum Healthcare

Speaker: Stephen D. Surgenor, MD, Dartmouth Hitchcock Health

4:30 pm - 5:30 pm

Vortex

Problem-Based Learning Discussion Perioperative Pain Management in Patients on Buprenorphine

Daniel Burkhardt, MD, University of California, San Francisco School of Medicine; Sakura Kinjo, MD, University of California, San Francisco School of Medicine & Ruth Landau, MD, Columbia University Medical Center

Ticketed event; visit the Registration Desk for details.

4:30 pm - 6:00 pm

Av. Laurier



eSAS Panel

Getting Beyond the Anesthesiology Department: Broad Impact through Broad Thinking

Moderated by Michael R. Mathis, MD, University of Michigan Medicine

Collaboration with Surgeons:
Opportunities for Perioperative Data to
Enhance Surgical Registries

Michael R. Mathis, MD, University of Michigan Medicine

85 SATURDAY, MAY 18: IARS

Collaboration with Primary Care: Opportunities to Improve Long-Term Cardiovascular Disease Risk

Robert B. Schonberger, MD, MHS, Yale School of Medicine

Collaboration with Pharmacists:
Opportunities to Refine Medication
Selection, Dosing and Delivery
Shamsuddin Akhtar, MD, MBBS, Yale University
School of Medicine

4:30 pm – 6:30 pm

Agora / Centre-Ville

INTERNATIONAL SCIENCE SYMPOSIUM Dementia: Let's Stop Losing Our Minds

Moderated by Christian P. Werner, MD, Medical Center of Johannes Gutenberg- Universität, IARS Board of Trustees

Dementia Update: What's New in the Field

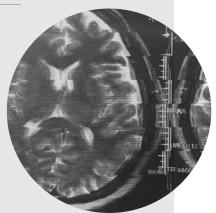
Sandra E. Black, OC, OOnt, MD, FRCP(C), FRSC, FAAN, FAHA, University of Toronto

Critical Illness: What Matters is the Mind

E. Wes Ely, MD, PhD, Vanderbilt University School of Medicine

Mechanisms of Mind Loss: The Clock is Ticking

Erik S. Musiek, MD, PhD, Washington University School of Medicine



4:30 pm - 6:30 pm

Av. Duluth

Innovative Session

A Walking History of Medicine in Montreal: Osler, Penfield and Bethune

Michael Aaron Chyfetz, MD, MSc, Montefiore Medical Center; Albert Einstein College of Medicine & Daniel Chartrand, MD, PhD, FRCPC, Montreal Neurological Hospital Ticketed event; visit the Registration Desk for details. 5:30 pm - 6:15 pm

Av. Van-Horne



SOCCA Review Course Lecture What Is the Magic Number? Blood Pressure Thresholds in the Operating Room, ICU and Beyond

Host: Peter Von Homeyer, MD, FASE, University of Washington Medicine Speaker: Ashish K. Khanna, MD, FCCP, FCCM, Wake Forest University School of Medicine

6:30 pm - 8:00 pm

Place du Canada/ Square Dorchester

Alignment Reception

Join us in the Exhibit Hall to raise a glass with friends you know — and the ones you haven't met yet!

8:00 am - 5:00 pm

Place du Canada / Square Dorchester

IARS POSTER SESSION E: OPEN VIEWING

6:00 am – 7:00 am *Parc Mont-Royal*

Continental Breakfast

6:00 am – 7:00 am Rue Crescent

International Connections Continental Breakfast*

6:00 am – 7:00 am Square Victoria

Women in Anesthesia Continental Breakfast*

7:00 am – 9:00 am Agora / Centre-Ville

Kosaka Best of Meeting Abstract Awards Oral and Poster Presentations

9:00 am - 9:30 am

Break

9:30 am – 10:30 am *Vortex*

SASM PBLD: Perioperative Care of the Patient with OSA*

9:30 am – 10:30 am Ping

SAMBA PBLD: Ambulatory Anesthesia: Common Problems during Pediatric Care*

9:30 am – 11:00 am Av. Viger

Panel: The Enterprise Electronic Medical Record Data Access Problem: How to Build a Perioperative Data Warehouse for Quality Improvement, Reporting, and Research **9:30 am – 11:30 am** Agora / Centre-Ville

SNACC Panel: Opioid-Free Anesthesia: Biologic Basis and Potential Applications in Neurosurgical Anesthesiology

9:30 am – 11:00 am Av. Duluth

APSF Panel: Can We Eliminate Medical Errors in the Operating Room?

9:30 am – 11:30 am Av. Laurier

SYM: The Evolution of Onco-Anaesthesia: Changing How We Care for the Cancer Surgery Patient

9:30 am – 12:30 pm Rue Notre-Dame

Workshop: Advanced Perioperative Ultrasound: Ultrasound Findings in Life-Threatening Perioperative Emergencies*

11:00 am – 12:30 pm Av. Duluth

Panel: Understanding Observational Studies: Updates from Perioperative Epidemiologists

11:00 am – 12:30 pm Av. Viger

SOCCA Panel: Critical Care Anesthesiologist & Acute Care Continuum of Complex Stroke Patient

11:00 am – 12:30 pm Agora / Centre-Ville

SmartTots Panel: Anesthesia and Neurotoxicity: A Conundrum for Clinicians

11:30 am – 12:15 pm Av. Van-Horne

RCL: Airway Management of the Obstetric Patient: What's New?

^{*}Ticketed event, visit registration for details

11:30 am - 12:30 pm

Vortex

PBLD: Pulmonary Alveolar Hemorrhage in a Patient with Short-Term Ventricular Assist Device Awaiting Heart Transplantation*

11:30 am - 12:30 pm

Ping

PBLD: Updates to Perioperative Management of the Left Ventricular Assist Device Patient Presenting for a Non-Cardiac Procedure*

1:00 pm - 2:30 pm

Lunch on Your Own

1:00 pm - 2:30 pm

Place du Canada / Square Dorchester

IARS Poster Session E – Presenters in Attendance

2:00 pm - 2:45 pm

Av. Duluth

RCL: Cardiovascular Outcomes in Transcatheter Aortic Valve Replacement: Implications for Anesthesiology

2:00 pm - 3:00 pm

Ping

PBLD: Perioperative Management of the Patient with Type 2 Diabetes: From Guidelines to Individualized Patient Care*

2:00 pm - 3:00 pm

Vortex

PBLD: Heroin for Labor Pain: What Are You Smoking or How to Get Controversial Research Through the IRB*

2:00 pm - 3:30 pm

Av. Laurier

STA Panel: Beyond the Hype: Emerging Technologies and Their Potential to Improve Anesthesia Education, Research, and Care Delivery 2:00 pm - 3:30 pm

Agora / Centre-Ville

SOCCA Panel: Sepsis-induced Coagulopathy: Mechanisms and Management

2:00 pm - 5:00 pm

Rue Saint-Denis

Workshop: Bootcamp for Brief Cognitive Assessment Skills in the Perioperative Setting*

2:00 pm - 6:00 pm

Rue Saint-De

Scholars' Program: Leadership Workshop: Self-Awareness and Self-Management*

2:00 pm - 6:00 pm

Rue Mansfield

AUA, eSAS, IARS, FAER, MPOG, PACT & SOCCA: Initiative for Multicenter Pragmatic Anesthesiology Clinical Trials' (IMPACT)

3:30 pm - 4:00 pm

Break

4:00 pm - 5:00 pm

Vortex

SNACC PBLD: Perioperative Management of the Patient with Closed Head Injury for Non-Neurologic Procedure*

4:00 pm - 5:00 pm

Ping

PBLD: Perioperative Atrial Fibrillation: Challenges in Prevention and Management*

4:00 pm - 5:00 pm

Av. Duluth

Innovative Session: Anesthetic Management of Intraoperative Neurophysiologic Monitoring (IONM) Signal Changes: A Case-Based, Simulation-Driven Learning Experience

^{*}Ticketed event, visit registration for details

88 SUNDAY, MAY 19 AT-A-GLANCE: IARS

4:00 pm - 5:30 pm

Av. Viger

Panel: Israel Society of Anesthesiologists & Israel Association of Obstetric Anesthesia Obstetric Anesthesia in Israel: Modern Obstetric Anesthesia Challenges in Traditional Populations

4:00 pm - 5:30 pm

Agora / Centre-Ville

Panel: Encouraging the Next Generation of Women: Growing Junior Faculty as Leaders

4:00 pm - 6:00 pm

Av. Laurier

SYM: Cell Death & Survival: Beyond Oxygenation

6:00 pm - 8:00 pm

Square Victoria

ISPCOP and McGill Anesthesia Networking Session

6:30 pm – 8:00 pm

Taste of Montreal Dine-Around*



^{*}Ticketed event, visit registration for details

6:00 am - 7:00 am

Parc Mont-Royal

6:00 am - 7:00 am

Square Victoria

Continental Breakfast

Come meet your fellow anesthesiologists over a cup of coffee – you never know who you'll run into!

6:00 am - 7:00 am

Rue Crescent

International Connections Continental Breakfast What's better than starting the day with a cup of coffee (or tea!) and fellow anesthesiologists from around the world? Ticketed event; visit the Registration Desk for details.

Women in Anesthesia Continental Breakfast Sorry fellas, this one is ladies only please! Moderated by Jeanine P. Wiener-Kronish, MD, Massachusetts General Hospital Ticketed event; visit the Registration Desk for

7:00 am - 9:00 am

Agora / Centre-Ville

KOSAKA BEST OF MEETING ABSTRACT AWARDS ORAL AND POSTER PRESENTATIONS

Come hear the best of the best present research and outcomes that are impacting the field of anesthesiology in the areas of Clinical Research, Basic Science and Scholar Abstracts.

The Kosaka Best of Meeting Abstract Awards are supported by the Japan Society for Clinical Anesthesia and the International Anesthesia Research Society.



MIARS



- 7:30 am Open Poster Viewing and Discussion	7:0
- 7:35 am Introduction	7:
- 8:00 am	7:
- 8:25 am	8:
- 8:50 am Oral Presentations	8:
- 9:15 am Oral Presentations	8:
9:25 am Judges Deliberate	9:
- 9:30 am Closing Statement	9:

TOP FINALISTS: BASIC SCIENCE RESEARCH

K1. Hyperoxic Resuscitation following Canine Cardiac Arrest Increases Cerebellar Purkinje Neuronal Damage and Inflammatory Microglial Activation

Gary Fiskum, PhD, University of Maryland School of Medicine

K2. Therapeutic Effects of Hyaluronic Acid in *E.coli* Bacterial Pneumonia in the *Ex Vivo* Perfused Human Lungs

Jae-woo Lee, MD, University of California San Francisco

K3. GFAP Expression in the Visual Cortex is Increased in Juvenile Non-Human Primates That Were Exposed to Anesthesia during Infancy

Viola Neudecker, MD, Columbia University Medical Center

K.04. Opioid Therapy Algorithm for Chronic Non-Cancer Pain Based on APS, AAPM, CDC, ASA and ASRA Guidelines and Position Statements

Jason D. Lefkof, DO, University of Miami Miller School of Medicine presenting on behalf of Ethan L. Chambers, MD, University of Miami / Jackson Memorial Hospital

TOP FINALISTS: CLINICAL RESEARCH

K5. Effects of Incubating Packed Red Blood Cells with Common Infusion Crystalloids and Medications on Red Blood Cell Lysis, Aggregation and Deformability

Domagoj Mladinov, MD, PhD, University of Alabama at Birmingham (UAB)

K6. Sustaining the Gains: A 6-year Follow Through of the Impact of a Hospital-Wide Patient Safety Strategy on Global and Anesthetic Patient Safety Outcomes

Ming Ann Sim, MBBS, National University Hospital Singapore

TOP FINALISTS: SCHOLARS

K7. Bacterial Sepsis Increases Fibrillary Amyloid Load and Neuroinflammation in a Mouse Model of Alzheimer's Disease Pathology

Jacob Basak, MD, PhD, Washington University School of Medicine

K8. Response to Inhaled Anesthetics Measured by the Triple Variable Index Reveals Population-Specific Patterns of Intraoperative Hypotension Exposure

Michael P. Schnetz, MD, PhD, University of Pittsburgh

K9. Therapeutic Effects of High Molecular Weight Hyaluronic Acid in Ex Vivo Perfused Marginal Human Lungs Injured with Pseudomonas Aeruginosa

Shinji Sugita, MD, University of California, San Francisco

FINALISTS: BASIC SCIENCE RESEARCH

K10. Total Intravenous Anesthesia with a Novel Formulation of Isoflurane Perfluorocarbon-Based Nano-emulsion: Safety, Efficacy and Toxicity in Dogs

Behrouz Ashrafi, MD, University of Miami

K11. Milrinone Decreases Late Apoptosis in H9c2 Cardiomyocytes through a Non-Dependent ATP Pathway

Jose V. Montoya-Gacharna, MD, NYU Langone Health

K12. A Systems Immunology Approach to Characterize Lung Immune Response to Hyperoxia Dusan Hanidziar, Md Phd, Massachusetts General Hospital

K13. Dexmedetomidine Prevents Lipopolysaccharide (LPS)-Induced Neuroinflammation and Cognitive Decline through an α 2A Adrenoceptor Mechanism in Mice

Mervyn Maze, M.B., Ch.B., University of California San Francisco

K14. The Impact of Nutraceutical Pre-Habilitation and Postoperative Treatment with Ecoisapentanoic Acid (EPA) and Acetylsalicylic Acid (Aspirin) on a Novel Animal Model of Recovery after Surgery Juan Cata, MD, MD Anderson Cancer Center

K15. Deep Immune Profile of Preoperative Glucocorticoid Administration in Patients Undergoing Surgery

Amy Tsai, BA, Stanford University School of Medicine presenting on behalf of Brice Gaudilliere, MD, PhD, Stanford University School of Medicine

K16. A Novel Learning Management System to Revolutionize Generation, Administration, and Assessment of Simulation-Based Medical Education

Scott M. Pappada, PhD, The University of Toledo College of Medicine and Life Sciences

FINALISTS: CLINICAL RESEARCH

K17. Contingency Planning to Overcome Critical Shortages of Hyperbaric Bupivacaine for Obstetric Anesthesia Care

Laurence Ring, MD, Columbia University Medical Center

K18. Patient-Reported In-Hospital Complications and Self-Reported Cognitive Function 1-Year after Surgery

Thomas G. Kannampallil, PhD, Washington University School of Medicine

K19. Epidemiology of Surgical Site Infection in Spinal Fusion Surgery and Patterns of Discordance with Surgical Antibiotic Prophylaxis: A Retrospective Case-Level Analysis

Dustin R. Long, MD, University of Washington

K20. Effects of Acetaminophen, NSAIDS, Gabapentinoids and Their Combinations on the Day of Surgery in Total Hip and Knee Arthroplasties

Tetsu Ohnuma, MD, MPH., Duke University

K21. Implementation of a Distributed Research Network Virtual Data Warehouse for a Multi-Center Observational Study

Seshadri Mudumbai, MD, Stanford University

K22. The Effect of Low Dose Intra-Operative Ketamine on Closed-Loop Controlled General Anesthesia: A Randomized Controlled Equivalence Trial

Matthias Görges, PhD, The University of British Columbia

K23. Poiseuille's Law Demonstration to Compare Flow Rates with Commonly Used Vascular Catheters and IV Tubing Accessories

Christina R. Miller, MD, Johns Hopkins Hospital

FINALISTS: SCHOLARS

K24. Ventilator-Induced Lung Injury in a Rat Model of Pulmonary Fibrosis is Influenced by Disease Severity and Tidal Volume

Khoa Nguyen, BS, University of Central Florida

K25. Novel Circulating Metabolic Markers Improve Discrimination of Metabolic Health Independent of Weight

Stephen Ellison, MD, PhD, Duke University Medical Center

K26. The INTUIT Study: Investigating Neuroinflammation Underlying Postoperative Neurocognitive Dysfunction and Delirium in Older Adults

Thomas Bunning, BS, Duke University Medical Center

K27. Imaging Cortical Activity During General Anesthesia: Insights into Cortical Pain Processing in Mice

Jarret Weinrich, PhD, University of California San Francisco

K28. The Left Angular Gyrus and Dorsal Anterior Cingulate Cortex: Key Regions for Pre-Post Operative Functional Resting State Decline?

Cheshire Hardcastle, MSc, University of Florida

K29. Risk Factors for Acute Kidney Injury after Primary Total Correction of Coarctation of the Aorta(COA) and Transposition of the Great Arteries(TGA) in Infants: A Retrospective Cohort study Soo Young Kim, MD, Asan Medical Center

K30. Preoperative Gabapentinoids Increase Risk of Postoperative Opioid-Related Respiratory Depression in Adult Patients Undergoing Total Hip and Knee Arthroplasties

Sean Moore, MD, MBA, Duke University

TOP LATE-BREAKING ABSTRACTS

K31. Behavioral Sedation EEG Changes Induced by Dexmedetomidine Attenuated but not Eliminated in A Novel Adra2a Knockout Mouse

Benjamin A. Harrison, BA Candidate, University of Pennsylvania

K32. Restrictive Versus Liberal Transfusion Strategies in Cardiac Surgery: A Systematic Review and Meta-Analysis with Trial Sequential Analysis

Hessam H. Kashani, MD, MSc, University of Manitoba

K33. What Counts? Comparison of Manual Palpation, Mechanomyography, Acceleromyography and Electromyography for Twitch Assessment

Kelly Michaelsen, MD, PhD, University of Washington

8:00 am - 5:00 pm

Place du Canada / Square Dorchester

IARS Poster Session E: Open Viewing

For session details, see see IARS Posters tab.

9:00 am - 9:30 am

Break

9:30 am - 10:30 am

Vortex



SASM Problem-Based Learning Discussion Perioperative Care of the Patient with OSA*

Crispiana Cozowicz, MD, Hospital for Special Surgery & Dawn Dillman, MD, Oregon Health and Science University

Ticketed event; visit the Registration Desk for details.

9:30 am - 10:30 am

Ping



SAMBA Problem-Based Learning Discussion Ambulatory Anesthesia: Common Problems during Pediatric Care

Kumar G. Belani, MD, President-Elect, SAMBA; University of Minnesota Masonic Children's Hospital & James Fehr, MD, Washington University School of Medicine Ticketed event; visit the Registration Desk for details. 9:30 am - 11:00 am

Av. Viger

Panel

The Enterprise Electronic Medical Record Data Access Problem: How to Build a Perioperative Data Warehouse for Quality Improvement, Reporting, and Research

Moderated by Richard H. Epstein, MD, Anesthesia Information Systems

Where's Waldo? Deconstructing a Complex EMR to Build a Perioperative Data Warehouse

Ira Hofer, MD, University of California, Los Angeles David Geffen School of Medicine

Holding on to the Baby When IT Throws Out the Bathwater: Maintaining Your Existing Data Warehouse

Jonathan Wanderer, MD, Vanderbilt University School of Medicine

Making Lemonade When All You Get Are Lemons: Building a Data Warehouse in the Face of IT Roadblocks

Paul Potnuru, MD, University of Miami -Miller School of Medicine

Getting to Yes: How to Convince Your IT Department to Support Your Data Warehouse Project

Mohamed Rehman, MD, Johns Hopkins All Children's Hospital

9:30 am - 11:00 am

Agora / Centre-Ville



SNACC Panel

Opioid-Free Anesthesia: Biologic Basis and Potential Applications in Neurosurgical Anesthesiology

Moderated by Dhanesh Kumar Gupta, MD, Duke University School of Medicine

> Mechanisms of Opioid Induced Hyperalgesia and Possible Future Therapeutic Approaches

Jianren Mao, MD, PhD, Harvard University

Clinical Use of Esmolol, Lidocaine, Dexmedetomidine, and Ketamine for Opioid Free Anesthesia

Helene Beloeil, MD, PhD, University Rennes

Is Remifentanil Essential for Neurosurgical Anesthesiology?

Dhanesh Kumar Gupta, MD, Duke University School of Medicine

9:30 am - 11:00 am

Av. Duluth



APSF Panel

Can We Eliminate Medical Errors in the Operating Room?

Moderated by Richard Prielipp, MD, MBA, FCCM, University of Minnesota Medical School; APSF Board of Directors

Perioperative Medication Errors: What is the Scope of the Problem?

Karen C. Nanji, MD, MPH, Harvard Medical School; Massachusetts General Hospital

Eliminating Medication Errors using Process Design

Eliot Grigg MD, University of Washington Medicine; Seattle Children's Hospital

There Has to Be a Better Way

Ken Catchpole, PhD, Medical University of South Carolina

Recommended Best Practices to Keep our Patients Safe, Expert Opinion Review

Joyce A. Wahr, MD, FAHA, University of Minnesota Medical School

9:30 am - 11:30 am

Av. Laurier

Symposium

The Evolution of Onco-Anaesthesia: Changing How We Care for the Cancer Surgery Patient

Moderated by Julia Dubowitz, MBBS, Peter MacCallum Cancer Centre Anaesthesia

Translational Research in Onco-Anaesthesia: Where Are We Likely to Find Meaningful Answers?

Julia Dubowitz, MBBS, Peter MacCallum Cancer Centre Bernhard Riedel, MBChB, FCA, FAHA, FASE, MMed., FANZCA, MBA, PhD, Peter MacCallum Cancer Centre

Making a Case for Specialized Onco-Anaesthesia for Perioperative Care of Cancer Surgery Patients

Vijaya Gottumukkala, MB, BS, MD(Anes), FRCA, The University of Texas MD Anderson Cancer Center

Modulating the Perioperative Surgical Stress Response to Improve Long Term Outcomes in Cancer Patients

Gregory Fischer, MD, Memorial Sloan Kettering Cancer

Expanding Onco-anaesthesia Research in the Era of Metadata

Juan Cata, MD, MD Anderson Cancer Center

9:30 am - 12:30 pm

Rue Notre-Dame

Workshop

Advanced Perioperative Ultrasound: Ultrasound Findings in Life-Threatening Perioperative Emergencies

David Kiamanesh, MD, Stony Brook University School of Medicine; James A. Osorio, MD, Weill Cornell Medical Center; Oliver Panzer, MD, Columbia University Medical Center; New York-Presbyterian Hospital; Cortessa Russell, MD, Columbia University Medical Center; New York-Presbyterian Hospital; Julia B. Sobol, MD, Columbia University Medical Center; New York-Presbyterian Hospital & Paul D. Weyker, MD, Kaiser Permanente Medical Group of Northern California

Ticketed event; visit the Registration Desk for details.

11:00 am - 12:30 pm

Av. Duluth

Panel

Understanding Observational Studies: Updates from Perioperative Epidemiologists

Moderated by Karthik Raghunathan, MD, MPH, Duke University School of Medicine

Hospital-Level Analyses

Duminda Nalaka Wijeysundera, MD, PhD, FRCPC, University of Toronto Faculty of Medicine

Studies That Use Propensity Scores

W. Scott Beattie, MD, PhD, FRCPC, University of Toronto Faculty of Medicine

Natural Experiments

Vijay Krishnamoorthy, MD, PhD, Duke University School of Medicine

11:00 am - 12:30 pm

Av. Viger



SOCCA Panel

Critical Care Anesthesiologist & Acute Care Continuum of Complex Stroke Patient

Moderated by Ozan Akca, MD, FCCM, University of Louisville Hospital

Management of Acute Complex Stroke: From Emergency Room to the Interventional Suite

Miguel Cobas, MD, FCCM, University of Miami, Jackson South Medical Center

Should I Do MAC or General Anesthesia for My Thrombectomy Patient?

Jerrad Robert Businger, D.O., University of Louisville

Where to Admit the Acute Complex Stroke Patient after Thrombectomy?

Alexander C. Fort, MD, University of Miami Miller School of Medicine

Perioperative Stroke: Diagnostics, Prevention & Management

Phillip Vlisides, MD, University of Michigan Medicine

Critical Care Anesthesiologist's Role from ER to IR to the ICU: The MVP of Acute Complex Stroke

Ozan Akca, MD, FCCM, University of Louisville Hospital

11:00 am - 11:30 am

Break

11:00 am - 12:30 pm

Agora / Centre-Ville



SmartTots Panel

Anesthesia and Neurotoxicity: A Conundrum for Clinicians

Moderated by Lena Sun, MD, MPH, Columbia University College of Physicians and Surgeons

Preclinical Studies: Are These Models Reliable?

Jeffrey Sall, PhD, MD, University of California, San Francisco School of Medicine

Clinical Studies: Do We Have an Answer?

Mary McCann, MD, MPH, Harvard University School of Medicine

Can We Tie the Preclinical Data to Clinical Data?

Lena Sun, MD, MPH, Columbia University College of Physicians and Surgeons

11:30 am - 12:15 pm

Av. Van-Horne

Review Course Lecture

Airway Management of the Obstetric Patient: What's New?

Host: Thomas Hemmerling, MD, MSc, DEAA, McGill University

Speaker: Sonia Vaida, MD, Penn State Milton S.

Hershey Medical Center

11:30 am - 12:30 pm

Vortex

Problem-Based Learning Discussion Pulmonary Alveolar Hemorrhage in a Patient with Short-Term Ventricular Assist Device Awaiting Heart Transplantation

Michael Murray, MD, Geisinger Medical Center; Gebhard Wagener, MD, Columbia University Medical Center & Amy Wang, MD, Columbia University Medical Center

Ticketed event; visit the Registration Desk for details.

11:30 am - 12:30 pm

Ping

Problem-Based Learning Discussion Updates to Perioperative Management of the Left Ventricular Assist Device Patient Presenting for a Non-Cardiac Procedure**

Christopher Patrick Henson, DO, Vanderbilt University School of Medicine; Sathish S. Kumar, MD, University of Michigan Medicine & Michael R. Mathis, MD, University of Michigan Medicine

Ticketed event; visit the Registration Desk for details.

12:30 pm - 2:00 pm

Place du Canada / Square Dorchester

IARS Poster Session E – Presenters in Attendance

For session details, see the IARS poster tab.

1:00 pm - 2:00 pm

Lunch on Your Own

Check out the Marché Artisans for a quick bite, or any of the many restaurants located in the hotel.

2:00 pm - 2:45 pm

Av. Duluth

Review Course Lecture

Cardiovascular Outcomes in Transcatheter Aortic Valve Replacement: Implications for Anesthesiology

Host: Miko Enomoto, MD, Oregon Health & Science University

Speaker: John G. Augoustides, MD, FASE, FAHA, Perelman School of Medicine, University of Pennsylvania

Harish Ramakrishna, MD, FACC, FESC, FASE, Mayo Clinic College of Medicine

2:00 pm - 3:00 pm

Ping

Problem-Based Learning Discussion Perioperative Management of the Patient with Type 2 Diabetes: From Guidelines to Individualized Patient Care

Elizabeth Watson Duggan, MD, Emory University School of Medicine

Ticketed event; visit the Registration Desk for details.

2:00 pm - 3:00 pm

Vortex

Problem-Based Learning Discussion Heroin for Labor Pain: What Are You Smoking or How to Get Controversial Research through the IRB

Michael H. Andreae, MD, Penn State Health Milton S. Hershey Medical Center & Kim Mauer, MD, School of Medicine, Oregon Health & Sciences University

Ticketed event; visit the Registration Desk for details.

2:00 pm - 3:30 pm

Av. Laurier



STA Panel

Beyond the Hype: Emerging Technologies and Their Potential to Improve Anesthesia Education, Research, and Care Delivery Moderated by Kai Kuck, PhD, President, STA; University of Utah

Anesthesia Technology: We Can See the Future

Kai Kuck, PhD, President, STA; University of Utah

Blockchain and Anesthesia: Moving Beyond Bitcoin to Enhance Patient Safety John F. Pearson, MD, Beth Israel Deaconess Medical Center

Man vs. Machine—or Man plus Machine? Leveraging Machine Learning and AI to Improve Health Care

Parisa Rashidi, PhD, University of Florida College of Medicine

Using Virtual and Augmented Reality to Augment Anesthesia Education and the Patient Experience

Clyde Matava, MBChB, DA, MMed, Hospital for Sick Children

How Can Mobile, Wearable, and Internet of Things Technology Help Me to Help My Patients?

Jeff E. Mandel, MD, MS, Perelman School of Medicine, University of Pennsylvania

2:00 pm - 3:30 pm

Agora / Centre-Ville



SOCCA Panel

Sepsis-Induced Coagulopathy: Mechanisms and Management

Moderated by Wei Chao, MD, PhD, University of Maryland School of Medicine

Coagulopathy in Sepsis: An OverviewJean-Francois Pittet, MD, The University of Alabama at Birmingham

Molecular Link between Inflammation and Coagulopathy in Sepsis

Brittney Williams, MD, University of Maryland School of Medicine

DIC in Sepsis: A Practical Approach Jecko Thachil, MD, Machester Royal Infirmary Haematology

2:00 pm - 5:00 pm

Rue Saint-Denis

Workshop

Bootcamp for Brief Cognitive Assessment Skills in the Perioperative Setting

Franchesca Arias, PhD, University of Florida College of Medicine & Catherine Price, PhD, ABPP/CCN, University of Florida College of Medicine

Ticketed event; visit the Registration Desk for details.

2:00 pm - 6:00 pm

Av. Van-Horne















AUA, eSAS, IARS, FAER, MPOG, PACT & SOCCA

Initiative for Multicenter Pragmatic Anesthesiology Clinical Trials' (IMPACT)

Introduction

Eric Jacobsohn, MBChB, MHPE, FRCPC, University of Manitoba Jeanine Wiener-Kronish, MD, Massachusetts General Hospital

How to Conduct Pragmatic Trials in Under-resourced Countries

Bruce Biccard, MD, University of Kwazulu-Natal, South Africa

How to Conduct a Massive Multi-center Stepped Wedge Pragmatic Trial

Jessica Spence, MD, McMaster University

Trials and Tribulations of Ambitious Multicenter Pragmatic Trials

David Mazer, MD, University of Toronto

IMPACT Awards Presentations

Duminda Nalaka Wijeysundera, MD, PhD, FRCPC, University of Toronto Faculty of Medicine

2:00 pm - 6:00 pm

Rue Mansfield

Scholars' Program: Leadership Workshop Self-Awareness and Self-Management

Workshop led by Duane Anthony Wilson, MA, University of Notre Dame & Jean Ann Larson, FACHE, LFHIMSS, FIISE, UAB Health System; UAB School of Medicine

Ticketed event; visit the Registration Desk for details.

3:30 pm - 4:00 pm

Break

4:00 pm - 5:00 pm

Vortex



SNACC Problem-Based Learning Discussion Perioperative Management of the Patient with Closed Head Injury for Non-Neurologic Procedure

Martin Dworschak, MD, MBA, Medical University of Vienna & Letha Mathews, MD, Vanderbilt University Medical Center Ticketed event; visit the Registration Desk for details.

4:00 pm - 5:00 pm

Ping

Problem-Based Learning Discussion
Perioperative Atrial Fibrillation: Challenges in
Prevention and Management

Suzanne Bennett, MD, University of Cincinnati Medical Center & Kunal Karamchandani, MD, FCCP, Penn State Milton S. Hershey Medical Center Ticketed event; visit the Registration Desk for details.

4:00 pm - 5:00 pm

Av. Duluth

Innovative Session

Anesthetic Management of Intraoperative Neurophysiologic Monitoring (IONM) Signal Changes: A Case-Based, Simulation-Driven Learning Experience

Moderated by Colby G. Simmons, DO, MBA, University of Colorado School of Medicine Leslie Jameson, MD, University of Colorado School of Medicine

4:00 pm - 5:30 pm

Av. Viger

Panel

Israel Society of Anesthesiologists & Israel Association of Obstetric Anesthesia Obstetric Anesthesia in Israel: Modern Obstetric Anesthesia Challenges in Traditional Populations

Moderated by Yehuda Ginosar, BSc, MBBS, Hadassah Hebrew University Medical Center

"Be Fruitful and Multiply": Anesthetic Challenges of High Order (>5) Cesarean Delivery

Alexander Ioscovich, MD, Shaare Zedek Medical Center, Hebrew University

"In Sorrow Thou Shalt Bring Forth Children": Do Anesthetic Interventions Have a Role to Play in Preventing Postpartum Depression?

Sharon Orbach-Zinger, MD, Rabin Medical Center, Campus Beilinson, Tel-Aviv University

"Two Nations Are in Thy Womb": Health Care and Obstetric Anesthesia as a Bridge to Peace

Yehuda Ginosar, BSc MBBS, Hadassah Hebrew University Medical Center

4:00 pm - 5:30 pm

Agora / Centre-Ville

Panel

Encouraging the Next Generation of Women: Growing Junior Faculty as Leaders

Moderated by Kathryn K. Lauer, MD, Medical College of Wisconsin

Leading from Within: How to Build a Team While Managing Clinical Service Demands

Susan A. Smith, MD, The Ochsner Clinic

How to Strategically Say "No" in Order to Build Your Career

Harriet W. Hopf, Speaker, MD, University of Utah Health Care

Designing an Academic Roadmap Success: Faculty Development and Mentorship in an Academic Anesthesiology Career

Colleen Koch, MD, MS, MBA, FACC, The Johns Hopkins University School of Medicine

The Challenges in Leading Up, Down and Laterally

Mada Helou, MD, University Hospitals at Case Medical Center

Using Emotional Intelligence and Mindful Communication to Gain (or Lose) Professional Influence

Elizabeth Watson Duggan, MD, Emory University School of Medicine

4:00 pm - 6:00 pm

Av. Laurier

Symposium

Cell Death & Survival: Beyond OxygenationModerated by Mervyn Singer, MB BS, MD,
FRCP(Lon), FRCP(Edin), FFICM, University College
London

Sepsis and Mitochondria

Mervyn Singer, MB BS, MD, FRCP(Lon), FRCP(Edin), FFICM, University College London

Exercise Preconditioning

Zhen Yan, MD, PhD, University of Virginia School of Medicine

Hibernating Animals and Stress

Quintin Jose Quinones, MD, PhD, Duke University Medical Center

Tying It All Together: Future Strategies and Therapy

Robert Thiele, MD, University of Virginia School of Medicine 6:00 pm - 8:00 pm

Square Victoria





ISPCOP and McGill Anesthesia Networking Session

Exploring the Role of Prehabilitation and Patient Psychology in ERAS

Moderated by Gabriele Baldini, MD, McGill University; Naveen Eipe, MD, The Ottawa Hospital

Impact of Prehabilitation on ERAS
Francesco Carli, MD, McGill University

Preoperative Anxiety and Pain Management

Michael Sullivan, MD, McGill University

6:30 pm - 8:00 pm

Taste of Montreal Dine-Around

If you haven't already, be sure to pre-register for this intimate dining experience at the registration desk. Space is limited; dinner costs are the responsibility of each attendee.



8:00 am - 5:00 pm

Place du Canada / Square Dorchester

IARS POSTER SESSION F: OPEN VIEWING

6:15 am – 7:15 am Foyer - Place du Canada

Continental Breakfast

6:15 am – 7:15 am Rue Crescent

Marketing Yourself for Success Continental Breakfast*

6:15 am – 7:15 am Sqaure Victoria

Trending Topics Continental Breakfast*

7:30 am – 8:15 am Av. Viger

SPAQI RCL: Perioperative Troponin and MINS (Myocardial Injury after Noncardiac Surgery)

7:30 am – 8:30 am *Vortex*

PBLD: Rib Fracture Pain Management: Controversies and Conundrums

7:30 am – 8:30 am Ping

PBLD: Facts and Myths of Hyperkalemia*

7:30 am – 9:00 am Av. Laurier

TAS, SOAP, SPA, and SAGA Panel: Trauma Anesthesia for Special Populations; Obstetric, Pediatric and Geriatric Patients

7:30 am – 9:30 am Agora / Centre-Ville

SYM: Intraoperative Opioids: Postoperative Consequences, Opioid-Free Anesthesia and Nociception-Index Guided Administration

9:00 am - 9:30 am

Break

9:30 am - 10:15 am

Av. Duluth

ISPCOP RCL: Ambulatory Surgery in Morbid Obesity: Quo Vadis?

9:30 am - 10:30 am

Ping

PBLD: What Is New in Management of Cirrhotic Patient for a TIPS Procedure?*

9:30 am - 10:30 am

Vortex

SAGA PBLD: My Patient Is 92 Years Old, Has a DNR, and Wants to Have Elective Shoulder Surgery!*

9:30 am - 11:00 am

Av. Laurier

Panel: Anesthesia and Sensory Awareness: How Mechanism May Inform Clinical Practice

9:30 am - 11:00 am

Av. Viger

Panel: Anesthesiologists as Monitors of Physiology: Remote Monitoring of Postoperative and High-Risk Patients

9:30 am - 12:00 pm

Av. Van-Horne

Innovative Session: Exploring Healthcare Disparities in Perioperative Medicine: Why Do We Care?

9:30 am - 12:30 pm

Rue Notre-Dame

Workshop: (Slightly) Advanced Statistics: Regression Analysis for the Anesthesiologist*

11:00 am - 12:30 pm

Av. Viger

SPAQI and SAGA Panel: Mind Your Elders! A Multidisciplinary Approach to Geriatric Perioperative Care

^{*}Ticketed event, visit registration for details

101 MONDAY, MAY 20 AT-A-GLANCE: IARS

11:00 am - 12:30 pm

Av. Laurier

Panel: What's New in Critical Care: Cardiac, Neuro, Surgical and Medical Intensive Care

11:30 am - 12:15 pm

Agora / Centre-Ville

ASER RCL: Perioperative Medicine and Enhanced Recovery: Current State and Future Directions

11:30 am - 12:30 pm

Vortex

PBLD: What's Up: Evaluating Unexpected Intraoperative Hyperkalemia*

11:30 pm - 12:30 pm

Ping

PBLD: Turning Blue on the Way to PACU. Unexpected Deterioration in a Pediatric Patient*

12:30 pm - 2:00 pm

Place du Canada / Square Dorchester

IARS Poster Session F – Presenters in Attendance

12:00 pm - 2:00 pm

Lunch on Your Own

2:00 pm - 2:45 pm

Av. Duluth

RCL: Patient Selection for Ambulatory Surgery: Can Any Patient Be an Outpatient?

2:00 pm - 3:00 pm

Vortex

PBLD: One-Lung Anesthesia for Pacing Wire Change in 115kg Fontan Patient*

2:00 pm - 3:30 pm

Agora / Centre-Ville

SAGA Panel: Waves of Delirium: Anesthetic-Induced EEG Patterns that Predict Postoperative Delirium

2:00 pm - 3:30 pm

Av. Viger

Panel: Incivility in Academic Medicine: Incidence, Instigators and Impact

2:00 pm - 4:00 pm

Av. Laurier

SYM: Organ Protection during the Perioperative Period

2:00 pm - 4:00 pm

Av. Van-Horne

Innovative Session: Practical Lessons from Over 25-Years of Work in TIVA & Anesthetic Clinical Pharmacology

3:30 pm - 4:00 pm

Break

4:00 pm - 4:45 pm

Av. Duluth

RCL: Emergency General Surgery, the Elderly and Non-Beneficial Surgery: The Problems, Solutions and Outcomes

4:00 pm - 5:30 pm

Agora / Centre-Ville

eSAS Panel: Update and Primer on New Techniques in Basic Science Anesthesia Research (Optogenetics, CRISPR Cas-9, and Next-Gen Sequencing)

4:00 pm - 5:30 pm

Av. Viger

Panel: Pediatric Cardiac Anesthesia: Innovations from the Other Side of the Drape

6:00 pm - 7:30 pm

Taste of Montreal Dine-Around*

^{*}Ticketed event, visit registration for details

6:15 am - 7:15 am

Foyer - Place du Canada

Continental Breakfast

Come meet your fellow anesthesiologists over a cup of coffee – you never know who you'll run into!

6:15 am - 7:15 am

Rue Crescent

Marketing Yourself for Success Continental Breakfast

We know you're great, and it's time everyone else knows it, too. Come have coffee and a bagel while you pick up some marketing pointers. Ticketed event; visit the Registration Desk for details.

6:15 am - 7:15 am

Square Victoria

Trending Topics Continental Breakfast Jump feet-first into the day with discussions about what's new, controversial, exciting, and top-of-mind in anesthesia. Ticketed event; visit the Registration Desk for details.

7:30 am - 8:15 am

Av. Viger



SPAQI Review Course Lecture Perioperative Troponin and MINS (Myocardial Injury after Noncardiac Surgery)

Host: Ashish K. Khanna MD, FCCP, FCCM, Wake Forest University School of Medicine Speaker: Steven L. Cohn, MD, FACP, SFHM University of Miami Miller School of Medicine Medicine

7:30 am - 8:30 am

Vortex

Problem-Based Learning Discussion Rib Fracture Pain Management: Controversies and Conundrums Naveen Eipe, MD, The Ottawa Hospital 7:30 am - 8:30 am

Ping

Problem-Based Learning Discussion Facts and Myths of Hyperkalemia

Suzanne Bennett, MD, University of Cincinnati Medical Center & Corey S. Scher, MD, New York University School of Medicine Ticketed event; visit the Registration Desk for details.

7:30 am - 9:00 am

Av. Laurier







SAGA

TAS, SOAP, SPA, and SAGA Panel Trauma Anesthesia for Special Populations; Obstetric, Pediatric and Geriatric Patients Moderated by Michael Murray, MD, Geisinger Medical Center

Trauma Anesthesia in Obstetrical Patients

Manuel C. Vallejo, MD, DMD, West Virginia University

Management of Pediatric Patients Who Have Sustained Trauma

David A. Young, MD, Baylor College of Medicine; Texas Children's Hospital

Anesthesia in Geriatric Trauma Patients Maurice Joyce, MD, EdM, Alpert Medical School of Brown University

7:30 am - 9:30 am

Agora / Centre-Ville

Symposium

Intraoperative Opioids: Postoperative Consequences, Opioid-Free Anesthesia and Nociception-Index Guided Administration Moderated by Philippe Richebé, MD, PhD, University of Montreal

> Opioid-Induced Tolerance and Hyperalgesia in Perioperative Medicine Martin S. Angst, MD, Stanford University

Martin S. Angst, MD, Stanford Unive School of Medicine

Opioid-Free Anesthesia: Future Direction?Patricia Marie Lavand'homme, MD, PhD,
Cliniques Universitaires Saint Luc

Intraoperative Nociception Monitors: Better Opioid Administration for Better Outcomes?

Philippe Richebé, MD, PhD, University of Montreal

8:00 am - 5:00 pm

Place du Canada / Square Dorchester

IARS Poster Session F: Open Viewing

For session details, see IARS Posters tab.

9:00 am - 9:30 am

Break

9:30 am - 10:15 am

Av. Duluth



ISPCOP Review Course Lecture Ambulatory Surgery in Morbid Obesity: Quo Vadis?

Host: Satya Krishna Ramachandran, FRCA, Harvard Medical School Speaker: Naveen Eipe, MD, The Ottawa Hospital

9:30 am - 10:30 am

Ping

Problem-Based Learning Discussion
What Is New in Management of Cirrhotic
Patient for a TIPS Procedure?

Marina Moguilevitch, MD, Montefiore Medical Center

9:30 am - 10:30 am

Vortex

SAGA

SAGA Problem-Based Learning Discussion My Patient Is 92 Years Old, Has a DNR, and Wants to Have Elective Shoulder Surgery!

Martin Dworschak, MD, MBA, Medical University of Vienna; Julie McSwain, MD, Medical Univesity of South Carolina & Sylvia H. Wilson, MD, Medical Univesity of South Carolina

9:30 am - 11:00 am

Av. Laurier

Pane

Anesthesia and Sensory Awareness: How Mechanism May Inform Clinical Practice

Moderated by Max B. Kelz, MD, PhD, Perelman School of Medicine, University of Pennsylvania

Unconsciousness, Sensory Disconnection and Predictive Coding: Why It Matters to the Anesthesiologist

Robert Sanders, MBBS, PhD, FRCA, University of Wisconsin School of Medicine and Public Health

Spatiotemporal Waves of Cortical Activity Are Evoked by Sensory Stimuli in the Anesthetized Brain

Alex Proekt, MD, PhD, Perelman School of Medicine, University of Pennsylvania

Cortical Networks Mediating Auditory Predictive Coding: Changes Across Awareness States

Matthew Banks, PhD, University of Wisconsin School of Medicine and Public Health

Thalamocortical Circuit Activation: Good or Evil?

Aeyal Raz, MD, PhD, University of Wisconsin School of Medicine and Public Health

9:30 am - 11:00 am

Av. Viger

Panel

Anesthesiologists as Monitors of Physiology: Remote Monitoring of Postoperative and High-Risk Patients

Moderated by Jeanine P. Wiener-Kronish, MD, Massachusetts General Hospital

Remote Monitoring: Updates and Future Studies

Jeanine P. Wiener-Kronish, MD, Massachusetts General Hospital

Results of One Year of Remote Monitoring of Postoperative Head and Neck Cancer Patients

Kyan C. Safavi, MD, MBA, Massachusetts General Hospital; Harvard Medical School

Routine Postsurgical Anesthesia Visit to Improve Patient Outcome (TRACE)

Wolfgang Buhre, MD, PhD, University Clinic Maastricht

Remotely Monitoring ECMO Patients: How to Do It

Kenneth T. Shelton, MD, Massachusetts General Hospital

Biosensors and Wearables in Healthcare

Stephen A. Esper, MD, University of Pittsburgh Medical Center

9:30 am - 12:00 pm

Av. Van-Horne

Innovative Session

Exploring Healthcare Disparities in Perioperative Medicine: Why Do We Care?

Michael H. Andreae, MD, Penn State Health Milton S. Hershey Medical Center

Erika Blacksher, PhD, University of Washington Medicine

Nathalia Jimenez, MD, MPH, Seattle Children's Hospital

Amos Jones, Esq. Doctor of Laws, Hepatitis Foundation International

Jay S. Kaufman, PhD, McGill University Helen H. Lee, MD, MPH, College of Medicine, University of Illinois at Chicago

J. Renee Navarro, PharmD, MD, University of California, San Francisco School of Medicine

9:30 am - 12:30 pm

Rue Notre-Dame

Workshop

(Slightly) Advanced Statistics: Regression Analysis for the Anesthesiologist

Thomas M. Austin, MD, MS, Emory University School of Medicine; Lisa Kit-Ying Lee, MD, MS, University of California, Los Angeles David Geffen School of Medicine & Dmitry Tumin, PhD, Nationwide Children's Hospital Ticketed event; visit the Registration Desk for details.

11:00 am - 12:30 pm

Av. Viger



SAGA

SPAQI and SAGA Panel Mind Your Elders! A Multidisciplinary Approach to Geriatric Perioperative Care

Moderated by Jeanna D. Blitz, MD, New York University School of Medicine

The Geriatric Patient: A Paradigm Shift in Preoperative Assessment

Heather E. Nye, MD, PhD, University of California, San Francisco School of Medicine

Perioperative Frailty-Epidemiology and Assessment

Daniel I. McIsaac, MD, MPH, FRCPC, University of Ottawa Faculty of Medicine

Cognitive Vital Signs for Your Older Adult Patient

Catherine Price, PhD, ABPP/CCN, University of Florida College of Medicine

Prehabilitation for the Elderly Surgical Patient

Michelle Humeidan, MD, PhD, The Ohio State University - Wexner Medical Center Anesthesiology

Intraoperative Management of the Geriatric Patient

Zdravka Zafirova, MD, The Icahn School of Medicine at Mount Sinai

11:00 am - 12:30 pm

Av. Laurier

Panel

What's New in Critical Care: Cardiac, Neuro, Surgical and Medical Intensive Care

Moderated by Ronald Pearl, MD, PhD, Stanford University School of Medicine

What's New in Cardiac Critical Care

Michael Wall, MD, FCCM, University of Minnesota Medical School

What's New in Neuro Critical Care

Jean G. Charchaflieh, MD, MPH, DrPH, Yale School of Medicine

105 MONDAY, MAY 20: IARS

What's New in Surgical Critical Care

Jean-Francois Pittet, MD, University of Alabama at Birmingham

What's New in Medical Critical Care

Ronald Pearl, MD, PhD, Stanford University School of Medicine

11:30 am - 12:15 pm

Agora / Centre-Ville



ASER Review Course Lecture Perioperative Medicine and Enhanced Recovery: Current State and Future

Directions

Host: Susan Goobie, MD, Harvard Medical School

Speakers: Santhanam Suresh, MD, Ann & Robert H. Lurie Children's Hospital of Chicago Tong Joo (TJ) Gan, MD, MHS, FRCA, MBA, Stony Brook University School of Medicine

11:30 am - 12:30 pm

Vortex

Problem-Based Learning Discussion What's Up: Evaluating Unexpected Intraoperative Hyperkalemia

Jeffrey Gardner, MD, Wake Forest Baptist Health & Roman Schumann, MD, Tufts Medical Center Ticketed event; visit the Registration Desk for details.

11:30 pm - 12:30 pm

Ping

Problem-Based Learning Discussion Turning Blue on the Way to PACU: Unexpected Deterioration in a Pediatric Patient

Claude Abdallah, MD, MSc, Children's National Health System & Lawrence Schwartz, MD, Children's Hospital Colorado; University of Colorado

Ticketed event; visit the Registration Desk for details.

12:30 pm - 2:00 pm

IARS Poster Session F – Presenters in Attendance

See IARS Posters tab for details.

12:30 pm - 2:00 pm

Lunch on Your Own

Check out the Marché Artisans for a quick bite, or any of the many restaurants located in the hotel.

2:00 pm - 2:45 pm

Av. Duluth

Review Course Lecture Patient Selection for Ambulatory Surgery: Can Any Patient Be an Outpatient?

Host: Bobbie Jean Sweitzer, MD, FACP, Northwestern University Feinberg School of

Medicine

Speaker: Girish P. Joshi, MB BS, MD, FFARCSI, The University of Texas Southwestern Medical Center

2:00 pm - 3:00 pm

Vortex

Problem-Based Learning Discussion One-Lung Anesthesia for Pacing Wire Change in 115kg Fontan Patient

Susan P. Taylor, MD, MPH, Medical College of Wisconsin & Anupama Wadhwa, MBBS, University of California, San Diego School of Medicine

Ticketed event; visit Registration Desk for details.

2:00 pm - 3:30 pm

Agora / Centre-Ville

SAGA

SAGA Panel

Waves of Delirium: Anesthetic-Induced EEG Patterns that Predict Postoperative Delirium

Moderated by Oluwaseun Johnson-Akeju, MD, Massachusetts General Hospital, Harvard Medical School

Understanding Relationships between Intraoperative EEG Features, Anesthetic Dosage, Patient Cognition

Miles Berger, MD, PhD, Duke University Medical Center

Delirium in the PACU: What Does It Mean for Patient Safety? Can It Be Predicted and/or Prevented?

Paul S. Garcia, MD, PhD, Columbia University Medical Center

106 MONDAY, MAY 20: IARS

Electroencephalographic Evidence of Sensitivity to Volatile Anesthetic Agents as a Predictor

Bradley A. Fritz, MD, Washington University School of Medicine

2:00 pm - 3:30 pm

Av. Viger

Panel

Incivility in Academic Medicine: Incidence, Instigators and Impact

Moderated by Maya Hastie, MD, Columbia University Medical Center

Defining "Incivility" in Medicine

Qi Cui Ott, MD, Beth Israel Deaconess Medical Center

Sources of Incivility in Medicine

Maya Hastie, MD, Columbia University Medical Center

Impact of Incivility in the Workplace

Harriet W. Hopf, MD, University of Utah Health Care

Managing Incivility: The Art and Science

Jonathan Hastie, MD, Columbia University Medical Center

2:00 pm - 4:00 pm

Av. Laurier

Symposium

Organ Protection during the Perioperative Period

Moderated by Holger K. Eltzschig, MD, PhD, McGovern Medical School, University of Texas

Introduction

Jean-Francois Pittet, MD, University of Alabama at Birmingham

Novel Therapeutic Concepts for Acute Respiratory Distress Syndrome

Holger K. Eltzschig, MD, PhD, McGovern Medical School, University of Texas

Cardioprotection during the Perioperative Period

Mansoureh Eghbali, PhD, University of California, Los Angeles David Geffen School of Medicine Hepatic Ischemia and Reperfusion Injury

Simon C. Robson, MD, Harvard Medical School

Perioperative Kidney Protection

Alexander Zarbock, MD, University Hospital Münster

2:00 pm - 4:00 pm

Av. Van-Horne

Innovative Session

Practical Lessons from Over 25-Years of Work in TIVA & Anesthetic Clinical Pharmacology

Moderated by Dhanesh Kumar Gupta, MD, Duke University School of Medicine Talmage Dan Egan, MD, University of Utah

3:30 pm - 4:00 pm

Break

4:00 pm - 4:45 pm

Av. Duluth

Review Course Lecture

Emergency General Surgery, the Elderly and Non-Beneficial Surgery: The Problems, Solutions and Outcomes

Host: Gebhard Wagener, MD, Columbia University Medical Center Speakers: Nial Quiney, MBBS, FRCA, Royal Surrey County Hospital Anaesthetics Geeta Aggarwal, MBBS, MRCP, FRCA, Royal Surrey County Hospital Anaesthetics

4:00 pm - 5:30 pm

Agora / Centre-Ville



eSAS Panel

Update and Primer on New Techniques in Basic Science Anesthesia Research (Optogenetics, CRISPR Cas-9, and Next-Gen Sequencing)

Moderated by Vivianne Tawfik, MD, PhD, Stanford University School of Medicine

Optogenetic and Viral Tools for Identification and Manipulation of Neural Circuits

Aaron Norris, MD, PhD, Washington University School of Medicine

University School of Medicine

Next-Generation Sequencing for Understanding Cell-specific Contributions to Your Disease of Interest Vivianne Tawfik, MD, PhD, Stanford

CRISPR Cas-9 Targeted Mutations and Genetic Dissection of Neural Circuits Relevant to Hypnosis

Andrew McKinstry-Wu, MD, Perelman School of Medicine, University of Pennsylvania

4:00 pm - 5:30 pm

Av. Viger

Panel

Pediatric Cardiac Anesthesia: Innovations from the Other Side of the Drape

Moderated by Santhanam Suresh, MD, Ann & Robert H. Lurie Children's Hospital of Chicago

ERAS for Pediatric Cardiac Anesthesia: Regional Anesthesia's New Turf

Jeremy Deer, MD, Northwestern University Feinberg School of Medicine

Can Neurologic Injury from Cardiac Surgery Be Prevented by Hemodynamic Optimization?

Ken M. Brady, MD, Lurie Children's Hospital of Chicago

Adult Congenital Heart Disease: A Conundrum That We All Have to Face James DiNardo, MD, Boston Children's Hospital

6:00 pm - 7:30 pm

Taste of Montreal Dine-Around

If you haven't already, be sure to pre-register for this intimate dining experience at the registration desk. Space is limited; dinner costs are the responsibility of each attendee.



108 TUESDAY, MAY 21: SATA

If you are a transplant anesthesiologists or critical care physician, join the Society for the Advancement of Transplant Anesthesia (SATA) at the Third Annual Symposium.

Registration fee is waived for SATA members; \$120 for non-members. Register on-site outside Av. Duluth. No CME will be provided for this session.



8:00 am - 8:30 am

Registration

8:30 am - 8:45 am

Welcome and Introduction

Susan Mandell, MD, PhD, University of Colorado Ernesto A. Pretto, MD, University of Miami Miller School of Medicine

8:45 am - 9:30 am

Session 1: Everything Is Going to Be Faster and Better

Stuart McCluskey, MD, University of Toronto and University Health Network

Implementing ERAS and Fast Track in a Liver Transplant Program: A Road Map

Stephen Aniskevich, MD, Mayo Clinic

Standardizing Liver Transplant Anesthesia: Quality Indicators and Education

Dieter Adelmann, MD, University of California, San Francisco School of Medicine

9:30 am - 10:00 am

Session 2: Pro/Con Debate: I Need CRRT in the Operating Room

Ramona Nicolau-Raducu, MD, PhD, University of Miami Miller School of Medicine Nicolette Schlichting, MD, Mount Sinai Hospital Vivienne Hannon, MBBS, University of California, San Francisco, Dept of Anesthesia

10:00 am - 10:20 am

Session 3: Case and Problem-Based Learning Discussion

Abdominal Transplantation

Cara Crouch, MD, University of Colorado Hospital

10:20 am - 10:45 am

Break

10:45 am - 11:45 am

Session 4: Thoracic Organs

Andrea Miltiades, MD, Columbia University Medical Center

Combined Abdominal and Thoracic Transplants

Barbara Wilkey, MD, University of Colarado Benjamin Abrams, MD, University of Colorado Hospital

Combined Abdominal and Thoracic Transplants

Yoshihisa Morita, MD, Henry Ford Hospital

12:00 pm – 12:15 pm

Session 5: What's New in Transplant Anesthesiology?

Geraldine Diaz, DO, University of Chicago Medical Center

12:15 pm - 12:30 pm

Closing Remarks

Gebhard Wagener, MD, Columbia University Medical Center

IARS POSTERS





111 POSTER SESSIONS: IARS (D-F)

All poster sessions, the Poster Information desk, and the Call4Posters™ desk are located in the Place du Canada and Square Dorchester Rooms.

IARS Poster Sessions are grouped based on subspecialty topic and will include an open poster viewing time and a poster presentation session.

IARS POSTER SESSION D: SATURDAY, MAY 19

7:30 am - 8:00 am Setup

8:00 am - 5:00 pm Open Viewing

1:00 pm - 2:30 pm Poster Session

5:00 pm - 5:30 pm Breakdown

IARS POSTER SESSION E: SUNDAY, MAY 19

7:30 am - 8:00 am Setup

8:00 am - 5:00 pm Open Viewing

12:30 pm - 2:00 pm Poster Session

5:00 pm - 5:30 pm Breakdown

IARS POSTER SESSION F: MONDAY, MAY 20

7:30 am - 8:00 am Setup

8:00 am - 5:00 pm Open Viewing

12:30 pm - 2:00 pm Poster Session

5:00 pm - 5:30 pm Breakdown

Viewing e-Posters

e-Posters are available for viewing throughout the Annual Meetings at http://tiny.cc/lr3l5y.

Call4Posters™ Pick-up

Orders placed through Call4Posters TM will be available for pick-up at the Call4Posters TM Desk.

Thursday, May 16 7:00 am – 1:30 pm

Friday, May 17 7:00 am – 1:30 pm

Saturday, May 18 7:30 am – 2:00 pm

Sunday, May 19 7:30 am – 2:00 pm

Monday, May 20 7:30 am – 10:00 am



112 POSTER CATEGORY INDEX: IARS

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Ambulatory Anesthesia	D8-13, E14-17, F7-8
Anesthetic Pharmacology	D14-18, E18-24, F9-19
Blood Management	D19-21, E25-31, F20-22
Cardiovascular Anesthesiology	D22-31, E32-37, F23-34
Critical Care	D32-53, E38-49, F35-51
Economics, Education and Policy	D54-62, E50-60, F52-67
Geriatric Anesthesia	D63-66, F68-72
Global Health	D67, E61-66
Liver	D68-71, E67-69
Medically Challenging Cases	D72-102, E70-101, F73-96
Neuroscience in Anesthesiology and Perioperative Medicine	D103-120, E102-118, F97-117
Obesity	F118-123
Obstetric Anesthesiology	D121-125, E119-123, F124-127
Pain Mechanisms	D126-127, F128
Pain Medicine	D128-135, E124-131, F129-137
Patient Safety	D136-141, E132-145, F138-143
Pediatric Anesthesiology	D142-156, E146-157, F144-159
Perioperative Anesthesia	D157-178, E158-178, F160-180
Regional Anesthesia	D179-185, E179-190, F181-193
Respiration	E191-194, F194
Sleep Medicine	D186-190, E195, F195-196
Technology, Computing and Simulation, Equipment Monitoring	D191-203, E196-204, F197-205
Trauma	D204-209, E205-209

D1. Chronic Inhibition of Acetylcholinesterase (AChE) Attenuates in Vivo Airway Hyperreactivity and Lung Inflammation in a Model of Murine Asthma

Claudia Bruguera, Roman Schumann, Dana Arekat, Natalia Stamas, John Adam Reich, David Moss, Edward Hong, Jacob Ludington, Andrea Tsai

D2. Posterior Tracheal Diverticulum in a Right Lung Transplant

Patrick Hussey, Taylor Johnston, Joseph Pena, Andrea N Miltiades

D3. Induction of Endothelial Barrier Dysfunction by Serum Factors of Traumatic Brain Injury in Rats Yunbo Ke, Julie Proctor, Juliana Medina, Catriona Miller, Junghyun Kim, Anna Birukova, Gary Fiskum, Konstantin Birukov

D4. Left Molar Approach Intubation for a Complex Emergency Airway in a Patient with Achondroplasia and Know Difficult Airway

Adrianne Lazer, Sergio B. Navarrete, Brian Cocchiola

D5. Laryngeal Mask Airway with An In-Built Endotracheal Tube

Sridhar R. Musuku, Neil Mathur, Susan L. Herrick, Divya Cherukupalli

D6. Do the Changes in the Amount of Lubrication and Temperature Affect the Inhibitory Effects of Lubrication on the Increase in the Endotracheal Tube Cuff Pressure during Nitrous Oxide Exposure in Vitro?

Hiroyuki Oshika, Yukihide Koyama, Tomio Andoh

D7. Protecting the Airway and Physician: Lessons from 214 Cases of Endotracheal Intubation Litigation Andrea Perales, Molly Amin, Anna Korban, Peter Svider, Jean A. Eloy, Jean Daniel Eloy

D8. Dexmedetomidine for the Prevention of Fentanyl - Induced Cough in Patients Undergoing General Anesthesia: A Double-Blind Randomized and Placebo Controlled Study

Alia S. Dabbous, Mabelle C. Baissari, Mayyas M. Msheik, Patricia W. Nehme, Samar K. Taha

D9. High Rates of Postoperative Opioid Overprescription Following Ambulatory Breast Surgery Anjali Dixit, Solmaz P. Manuel, Christina Inglis-Arkell

D10. Dexmedetomidine vs Midazolam for Medical Thoracoscopy-Randomized, Noninferiority Trial Vinod Kumar, Prashant Sirohiya, Nishkarsh Gupta, Rakesh Garg, Sachidanand Jee Bharti, Karan Madan, Seema Misra, Sushma Bhatnagar, Vijay Hadda, Anant Mohan

D11. Reasons for Postoperative Inpatient Admissions after Ambulatory Surgery: A Single Center Retrospective Study

Singh Nair, Singh Nair, David Bennett, David Adams, Akshay Bhatt, Curtis Choice

D12. Should Laboratory Tests Be Obtained Before Outpatient Gastrointestinal Endoscopic Procedures in Cancer Patients?

Linh Nguyen, Katherine Hagan, Shannon Hancher-Hodges, Piotr Kwater, Laura Rubin, Shrina K. Parikh, Juan Cata

D13. Outcomes after Laparoscopic Cholecystectomy: Does the Surgical Setting Matter? *Eric Rosero. Girish P. Joshi*

D14. Total Intravenous Anesthesia with a Novel Formulation of Isoflurane Perfluorocarbon-Based Nano-Emulsion: Safety, Efficacy and Toxicity in Dogs

Behrouz Ashrafi, Ernesto A. Pretto, Christopher A. Fraker Kosaka Best of Meeting Award Finalist - Basic Science Research

D15. Anesthetic Sensitivities in the Zebrafish

Victoria Bedell, Jayce Breig, Micheal A. Pack, Max B. Kelz, Roderic G. Eckenhoff

D16. Effect of Propofol on in Vitro Functions of Breast Cancer Cell Lines

Zhaosheng Jin, Ru Li, Yujie Huang, Jun Lin

D17. Effect of Sevoflurane and Propofol on the Phenotype of Lung Cancer Cell in Vitro, Preliminary Findings

Zhaosheng Jin, Ru Li, Michelle Jaromy, Hengrui Liu, Jun Lin

D18. Mixtures of General Anesthetics Act Synergistically Only If They Act on Different Binding Sites on Synaptic GABA_A Receptors: A Study in Tadpoles

Daniel Kent, Keith W. Miller

D19. Effects of Incubating Packed Red Blood Cells with Common Infusion Crystalloids and Medications on Red Blood Cell Lysis, Aggregation and Deformability

Domagoj Mladinov, Kristine Yarnoff, Enika Nagababu, Dan Berkowitz, Courtney Lawrence, Paul Ness, Thomas Kickler, Patricia Brunker, Joan Boyd, Jeffrey Dodd-O Kosaka Best of Meeting Award Top Finalist - Clinical Research

D20. Derivation of Formula for Average Hematocrit Under Isovolemic Conditions

Thomas M. Austin, Brett S. Escarza, Chris Fiedorek, Michael Fiedorek, Susana Cruz Beltran, Humphrey Lam

D21. Platelet Functionality Is Decreased after Infusion through a Rapid Infusion System

Shahrukh Bengali, Ilan Keidan, Nikolaus Gravenstein, Jeffrey D. White, Joshua Sappenfield

D22. Novel Circulating Metabolic Markers Improve Discrimination of Metabolic Health Independent of Weight

Stephen Ellison, Lydia Kwee, Nathan Bihlmeyer, James Bain, Damian Craig, William Kraus, Svati Shah Kosaka Best of Meeting Award Finalist - Scholars

D23. Ventilator-Induced Lung Injury in a Rat Model of Pulmonary Fibrosis Is Influenced by Disease Severity and Tidal Volume

Khoa Nguyen, Chris Ortiz, Trixie Le, Mansoureh Eghbali, Nir Hoftman, Soban Umar Kosaka Best of Meeting Award Finalist - Scholars

D24. Milrinone Decreases Late Apoptosis in H9C2 Cardiomyocytes through a Non-Dependent ATP Pathway

Jose V. Montoya-Gacharna, June Rim, Sachin Gupte Kosaka Best of Meeting Award Finalist - Basic Science ResearchCata

D25. Intraventricular Pressure Difference Assessment from Color M-Mode Image using Transesophageal Echocardiography

Koichi Akiyama, Isaac Wu, Eric J. Stöhr, Aaron Mittel, Ruiping Ji, Keiichi Itatani, Yasufumi Nakajima, Atsushi Kainuma, Teiji Sawa, Hiroo Takayama

D26. Higher Qp/Qs Ratio Is Associated with Lower Cerebral rSO2 in Patients with Ventricular Septal Defect

Aya Banno, Tomoyuki Kanazawa, Kazuyoshi Shimizu, Tatsuo Iwasaki, Hiroshi Morimatsu

D27. Factor VIII Inhibitor Bypass Activity (FEIBA) for the Reduction of Transfusion in Cardiac Surgery: A Randomized Double Blind Placebo Controlled Pilot Trial

Ann Bingham, Valerie Sera, Howard Song, Victor Rodriguez, Jaishankar Raman, Frederick Tibayan, Miriam Treggiari

D28. Preoperative Radial Artery Diameter Can Help Predict Radial-To-Femoral Pressure Gradient and Vasoactive Agent Requirements

Vincent Bouchard-Dechene, Andre Denault, Alain Deschamps, Pierre Couture, Philippe Pérusse, Georges Desjardins

D29. Post-Burn Malnutrition and Associated Cardiomyopathy

Michelle Grata, Alexis Mcquitty, Nikul Patel, Frances Brown

D30. Correlation of Bi-Spectral Index with End-Tidal Anesthetic Concentration and Body Temperature during Off-Pump CABG

Muralidhar Kanchi, Priya Nair, Manjunath Udresh, Kumar G. Belani

D31. Large Right Ventricular Outflow Tract Tumor: Anesthetic Management and Evaluation by Transesophageal Echocardiography

Brad P. Moore, Steven Miller

D32. Bacterial Sepsis Increases Fibrillary Amyloid Load and Neuroinflammation in a Mouse Model of Alzheimer's Disease Pathology

Jacob Basak, Collin J. Nadarajah, Lucy S. Cohen, Patrick W. Sheehan, Erik S. Musiek Kosaka Best of Meeting Award Top Finalist - Scholars

D33. Therapeutic Effects of High Molecular Weight Hyaluronic Acid in Ex Vivo Perfused Marginal Human Lungs Injured with Pseudomonas Aeruginosa

Shinji Sugita, Xiwen Zhang, Yoshifumi Naito, Li Zhou, Qi Hao, Michael Matthay, Jae Woo Lee Kosaka Best of Meeting Award Top Finalist - Scholars

D34. Hyperoxic Resuscitation Following Canine Cardiac Arrest Increases Cerebellar Purkinje Neuronal Damage and Inflammatory Microglial Activation

Gary Fiskum, Da Lee, Julie Proctor, Robert E. Rosenthal

Kosaka Best of Meeting Award Top Finalist - Basic Science Research

D35. Therapeutic Effects of Hyaluronic Acid in *E. coli* Bacterial Pneumonia in the *Ex Vivo* Perfused Human Lungs

Jae-Woo Lee, Airan Liu, Jeonghyun Park, Xiwen Zhang, Shinji Sugita, Jaehoon Lee, Hideya Kato, Qi Hao, Michael Matthay

Kosaka Best of Meeting Award Top Finalist - Basic Science Research

D36. A Systems Immunology Approach to Characterize Lung Immune Response to Hyperoxia

Dusan Hanidziar, Yasutaka Nakahori, David Gallo, Joshua Keegan, Jennifer Nguyen, Leo Otterbein, James Lederer, Simon C Robson

Kosaka Best of Meeting Award Finalist - Basic Science Research

D37. The Role of miR-147 in Acute Respiratory Distress Syndrome

Nathaniel K. Berg, Xiaoyi Yuan, Yanyu Wang, Holger K. Eltzschig

D38. Rotational Thromboelastometry Is More Predictive of Mortality in Traumatic Brain Injury Than Conventional Coagulation Testing

Daniel Bingham, John R. Taylor, William C. Beck, Kevin W. Sexton, Benjamin J. Davis, Avi Bhavaraju, Mary K. Kimbrough, Anna Privratsky, Ronald D. Robertson, Donald E. Crabtree

D39. Adverse Outcomes Associated with Absent or Delayed β-Blocker Administration after Cardiac Surgery

Emily Chanan, Germaine Cuff, Samir Kendale, Aubrey Galloway, Mark Nunnally

D40. Meta-Analysis of Lipid Emulsion Therapy in Animal Models Demonstrates Pig-Dependent Bias *Michael R. Fettiplace*

D41. Utilizing Surgical Embolectomy for Acute Massive Pulmonary Embolism

Adam Freilich, Jayanta Mukherji, Kimberly Burcar

D42. The Attributable Mortality from Bleeding Complications Exceeds the Attributable Mortality from Thrombotic Complications

Robert E. Freundlich, Melissa L. Bellomy, Milo Engoren, Frederick W. Lombard, Barbara J. Martin, Yaping Shi, Matthew Shotwell

D43. Magnesium Sulfate Significantly Alleviates the Development of Right Ventricular Dysfunction in Monocrotaline-Treated Rats

Chun-Jen Huang

D44. Modifiable Risk Factors of Prolonged Dependence on Vasopressors after Cardiac Surgery: A Retrospective Cohort Study

Loay Kontar, William B. Souligny, Vincent Bouchard-Dechêne, Antoine Rochon, Sylvie Levesque, Matthias Jacquet-Lagrèze, Yoan Lamarche, Denis Babin, André Denault

D45. Trends in Tracheostomy Utilization after Severe Acute Brain Injury in the United States Vijay Krishnamoorthy, Monica S. Vavilala, Abhijit V. Lele, Karthik Raghunathan, Claire Creutzfeldt

D46. Incidence and Diagnoses of 'Short-Stay' Critical Care Admissions from the Emergency Department Lavne Madden, Deepa Patel, Mengyu Di, Justin Schrager

D47. Spontaneous Esophageal Rupture with Stridor after Partial Resection of the Right Lung Yuto Matsuoka, Ryu Nakamura, Kazuyoshi Shimizu, Naoto Tomotsuka, Yohei Takano, Akira Katayama, Hiroshi Morimatsu

D48. In Hospital Mortality, Complications, and ICU Length of Stay after Ventricular Assist Device Implantation: A Single Center Case Review

Rachael Mintz-Cole, Andrea Yoder, Abdulaziz Almehlisi, Kimberly S. Robbins, Albert P. Nguyen, Ulrich Schmidt

D49. Role of Syndecan-1 and Disruption of Glycocalyx in Critically III Patients with Ventricular Assist Devices (VAD) and Extracorporeal Membrane Oxygenation (ECMO) Dorothea Rosenberger, T. Mckai Wood

D50. Gut Microbiome Short-Chain Fatty Acid Levels Can Regulate Lung Inflammatory Responses in Mice Xiaoli Tian, Judith Hellman, Arun Prakash

D51. Massive Tongue Swelling Preventing Extubation Thanh-Giang Vu, Jeffrey Gotts

D52. Low-Cost ECMO Troubleshooting Simulation Improves Provider Confidence and Preparedness in Managing Life-Threatening Circuit Complications

Matthew Wiepking, Michael Stentz, Kiley Hodge

D53. Lipid Emulsion Containing Omega3 (N3) Fatty Acids Beneficially Affect Insulin Signaling and Glucose Uptake in the Beating Rat Heart

Michael Zaugg, Phing-How Lou, Eliana Lucchinetti, Alexander S. Clanachan

D54. Assessing the Readability of Anesthesia-Related Patient Education Materials Raksha Bangalore, Anna Korban, Faraz Chaudhry, Jean Daniel Eloy

D55. Individualized Resident Physician Feedback Decreases Intraoperative Hypotensive Events Sunny Chiao, Katherine Forkin, Bhiken Naik, Marcel Durieux

D56. Project Pandemic: Efficient and Effective Teamwork and Communication Skills Training using a Tabletop Game

Cullen Jackson, Cindy Ku, John D Mitchell, Vanessa Wong, Carol A Diachun

D57. Geography and Program Reputation Are Key Factors That Influence Residency Match Jung Kim, William Kim, Germaine Cuff, Michael Wajda, James M. McKeever

D58. The Ontology of Leadership: A Simulation-Based Introduction Annandita Kumar, Philip Boysen

D59. Representation of Women on the Editorial Board of the Canadian Journal of Anesthesia Gianni R. Lorello, Alana Flexman

D60. Impact of Anesthesia Type on Patient Satisfaction with Anesthesia Care

Anastasia Pozdnyakova, Avery Tung, Richard Dutton, Anum Wazir, David Glick

D61. Economic Evaluations of Sugammadex for Reversal of Neuromuscular Block in Surgical Procedures: A Systematic Review

Amit D. Raval, Ishita Doshi, Sumesh Kachroo, Lori D. Bash

D62. Resident Physician Perspective on Women As Leaders

Karlyndsay Sitterley, Philip Boysen, Joseph Koveleskie

D63. Cognitive Resilience: Predicting a Robust Cognitive Status after Major Non-Cardiac Surgery Christopher G. Choukalas, Christopher Tang, Laura Sands, Yueyao Wang, Sanam Tabatabai, Devon Pleasants, Jacqueline Leung

D64. Postoperative Delirium after Major Cardiac Surgery Is Associated with High Protein Levels of TIMP-1 and IL-6

Jennifer Mekonnen, Breanna Ethridge, Reine Ibala, Eunice Hahm, Jacob Gitlin, Jason Z. Qu, Oluwaseun Johnson-Akeju

D65. Depth of Sedation as an Interventional Target to Reduce Postoperative Delirium: Mortality and Functional Outcomes of the Stride Randomized Clinical Trial

Frederick Sieber, Karin Neufeld, Allan Gottschalk, George Bigelow, Esther Oh, Jean Pierre Ouanes, Naeyuh Wang

D66. Beers Criteria in the Perioperative Period: Incidence of Perioperative Diphenhydramine, Midazolam and Scopolamine Use in Elderly Surgical Patients

Audrey E. Spelde, Gurmukh Sahota, Lee A. Fleisher, Sushila Murthy

D67. The "Just Right" Amount of Oxygen: Reducing Hypoxemia and Hyperoxia in a Rwandan Emergency Department

Tori Sutherland, Victor Moriau, Lise Kabeja, Theogene Twagirumugabe, Daniel S. Talmor, Elisabeth D. Riviello

D68. Effects of Intraoperative Fluid Management on Postoperative Acute Kidney Injury in Liver Transplantation: A Retrospective Cohort Study

François M. Carrier, Michaël Chassé, Martin Girard, Luc Massicotte, Marc Bilodeau

D69. Goal-Directed Fluid Therapy Versus Low Central Venous Pressure Strategy during Major Liver Resections (GALILEO): A Patient and Surgeon-Blinded Randomized Controlled Trial

Iris M. Jongerius, Timothy Mungroop, Zehra Uz, Bart F. Geerts, Rogier V Immink, Martin V. Rutten, Thomas M. Van Gulik, Marc G. Besselink, Markus W. Hollmann, Denise P. Veelo

D70. Hemodynamic Changes with Autologous Flushing of Donor Graft during Orthotopic Liver Transplantation

Susan A. Smith, Tim Ziethen, Gabrielle Frisenda, Dennis Sonnier, John Seal, Ari Cohen, Bobby D Nossaman

D71. The Role of Sarcopenia and Frailty in Predicting Outcomes in Orthotopic Liver Transplantation Susan A. Smith, Richard Tupler, Nick Morrazzo, Ritika Johal, Gabrielle Frisenda, Bobby D. Nossaman, Elizabeth Cohen, Daniel Canter

D72. Peep Titration via Esophageal Balloon Monitoring in a Super Morbidly Obese Patient during a Robotic Radical Nephrectomy

Nicholas Alvey, Maung Hlaing, Jerome Piccoli, Janet Kukreja, Naveen Kukreja, Tim Tran

D73. Critical Care Management of Culture Negative Endocarditis Due to Bartonella

Christian S. Balabanoff Acosta, Daniela De Lima Corvino, Anmary Fernandez Betances, Rafael Arciniegas Flores, Srikar Jonna, Anna M. Schuerner, Richard A. Zack-Guasp, Ricardo Martinez Ruiz, Miguel Cobas, Alexander C. Fort

D74. Veno-Venous Extracorporeal Membrane Oxygenation Used to Bridge the Obtainment of an Emergent Airway

Christian S. Balabanoff Acosta, Ilya Shnaydman, Saskya Byerly, Rafael Arciniegas Flores, Anna M. Schuerner, Srikar Jonna, Richard A. Zack-Guasp, Arnaldo Vera-Arroyo, Jack Louro

D75. Successful Treatment of a Patient Who Developed Propofol-Induced Neuroexcitation with Intravenous Lipid Emulsion

Sylviana Barsoum, Adeline Kim, James Tse

D76. Use of Remifentanil for Monitored Anesthesia Care Involving a Patient with Severe Valvular Disease Jennifer Davis, Stephen T. Krazit

D77. A Prostate for an Eye: Preventing Major Comorbidity through Careful Preoperative Evaluation Derek Djavaherian, Sachin Jha

D78. Acute Intrathecal Opioid Pump Malfunction with No Symptoms of Withdrawal Ahmed Embabi, Amr Hegazi

D79. Successful Multidisciplinary Anesthetic Management of a Pediatric Patient with Congenital Fiber Type Disproportion Myopathy, Congenital Scoliosis and Severely Diminished Pulmonary Function Adam Forshaw, J. Matthew Kynes, John Meyer

D80. An Accidental Intrathecal Baclofen Overdose Resulting in Altered Mental Status and Hemodynamic Instability in a Pediatric Patient

Aimee Gasior Bejar

D81. Rapid Detection and Transport by ECMO Team Improved Outcomes of Severe Acute Pancreatitis Sequelae

Mariana Gomez, Natan Hekmatjah, Paul Helland, Cecilia Canales, Vadim Gudzenko, Sumit Singh

D82. Carcinoid Crisis Presenting As Severe Bronchospasm during Anesthetic Induction in a Pregnant Patient

Kyung Ji, Jennifer Macpherson, Tichaendepi Mundangepfupfu

D83. Anesthetic Management of Metastatic Chondrosarcoma to the Right Atrium in the Setting of a Right-To-Left Intracardiac Shunt

Daryl Kerr, Avanthi Tudor, Mary Rhee

D84. Acute Heart Failure Related to Carbon Monoxide Intoxication: A Case Report Michael Kim, Christian Zanza, Yaroslava Longhitano, Jack Berger, Francesco Franceschi

D85. Cannabinoid Hyperemesis Syndrome in the Ambulatory Setting: A Case Report Peter Lam, Dhamodaran Palaniappan

D86. latrogenic Intrahepatic Thoracostomy Tube in the Intensive Care Unit Jeremy V. Laney, Shihab Sugeir

D87. Assessment of Hemopericardium after Transcatheter Aortic Valve Replacement Danielle Lovett-Carter, Maurice F. Joyce

D88. Secondary Ultrasound Use in a Post-Operative Patient with Hypotension Rebecca Martinez, Julia B. Sobol, Albert Yen, Oliver Panzer

D89. Wrong Place, Right Time: Avalon Catheter Migration and Point of Care Ultrasound Keleigh McLaughlin, Tim Tran

D90. Myotonic Dystrophy Diagnosed by Respiratory Distress after General Anesthesia: A Case Report Yusuke Mizobuchi, Yoshikazu Matsuoka, Makiko Tani, Kazuyoshi Shimizu, Motomu Kobayashi, Hiroshi Morimatsu

D91. Regional Anesthesia Considerations for a Multigravid Patient with Pectus Excavatum Undergoing Elective Repeat Cesarean Section

John D. Ngo, Rovnat Babazade

D92. Perioperative Management of Pediatric Rohhad-Net Syndrome for Paraganglioma Removal: A Case Report

Elizabeth O'Brien, Matthew Hoyt, Michael Baker

D93. Anesthetic Management in the Resection of Giant Retroperitoneal Liposarcoma Ergit Paparisto, Peter Roffey

D94. A Rare Case of Plastic Bronchitis in an Adult Patient: Anesthetic Challenge Yangseon Park, Max B. Kelz

D95. Rare Complication of "Denver" Peritoneovenous Shunt, Clinically Reminiscent of Anaphylactoid Syndrome of Pregnancy

Rishi Patel, Sergio B. Navarrete, Michael Fowler, Ronsard Daniel

D96. Mast Cell Activation Syndrome in a Patient Undergoing Arthroscopic Repair of an Unstable Left Shoulder

Takashi Sakano, Bahaa Daoud, Jennifer Danielsson

D97. Spontaneous Hemopericardium with Fatal Tamponade Physiology in ESRD Patient on Warfarin Melina Shoni, Gerardo Rodriguez

D98. Patient Behavior in PACU after Uneventful EDG: This Seems Odd!

Paul A. Sloan

D99. Emergency Anesthetic Considerations of a Patient with Stiff Person Syndrome

Lisa To

D100. Dexmedetomidine Use in a Patient with a History of Acute Intermittent Porphyria Undergoing Abdominal Resection of a Neuroendocrine Tumor

Bradley Withers, Annette Rebel

D101. A Rare Case of Repeated Interventions for Idiopathic Congenital Mitral Valve Stenosis: A Case Report

Tsubasa Yoshida, Hiroki Omiya, Kenji Uehara, Waso Fujinaka, Makoto Takatori

D102. Hemoconcentration as an Indicator of Intraoperative Superior Mesenteric Vein Stenosis during Pancreaticoduodenectomy

Masha Zeltsman, Madina Gerasimov, Judith Aronsohn, Jeffrey Deygoo

D103. GFAP Expression in the Visual Cortex Is Increased in Juvenile Non-Human Primates That Were Exposed to Anesthesia during Infancy

Viola Neudecker, Jose F. Perez-Zoghbi, Marjorie Grafe, Ansgar Brambrink

Kosaka Best of Meeting Award Top Finalist - Basic Science Research

D104. The INTUIT Study: Investigating Neuroinflammation Underlying Postoperative Neurocognitive Dysfunction and Delirium in Older Adults

Thomas Bunning, Heather E. Whitson, Kent Weinhold, Marty G. Woldorff, Eugene Moretti, Deborah Oyeyemi, Mary Cooter, Cliburn Chan, Roberto Cabeza, Jeffrey N. Browndyke, David Murdoch, Michael Devinney, Leslie Shaw, Harvey J. Cohen, Joseph P. Mathew, Miles Berger

Kosaka Best of Meeting Award Finalist - Scholars

D105. The Left Angular Gyrus and Dorsal Anterior Cingulate Cortex: Key Regions for Pre-Post Operative Functional Resting State Decline?

Cheshire Hardcastle, Hua Huang, Jared J. Tanner, Hari K. Parvataneni, Mingzhou Ding, Catherine Price Kosaka Best of Meeting Award Finalist - Scholars

D106. Imaging Cortical Activity during General Anesthesia: Insights into Cortical Pain Processing in Mice Jarret Weinrich. Allan Basbaum. Mollie Bernstein

Kosaka Best of Meeting Award Finalist - Scholars

D107. Dexmedetomidine Prevents Lipopolysaccharide (LPS)-Induced Neuroinflammation and Cognitive Decline through An α 2A Adrenoceptor Mechanism in Mice

Mervyn Maze, Rong N. Li, Kit I Lai

Kosaka Best of Meeting Award Finalist - Basic Science Research

D108. Central Venous Catheter Placement Has No Impact on Venous Air Embolism Severity, Duration or Morbidity in Seated Cervical Laminectomy Patients

Arnoley Abcejo, Jeffrey J. Pasternak, Jamie J. Van Gompel, John Atkinson, William J. Perkins

D109. A Novel Evoked Two EEG Complementary Indices for Identifying Stroke and Evaluating the Potential for Salvageable Brain Tissue in Patients Under Anesthesia

Dana Baron Shahaf, Gregory Hare, Eitan Abergel, Rotem Sivan-Hofman, Goded Shahaf

D110. Considerations for Individuals with Parkinson's Disease: Basal Nucleus of Meynert Resting State Connectivity Associates with Executive Deficits

Sam J. Crowley, Katie Rodriguez, Jared J. Tanner, Mingzhou Ding, Catherine Price

D111. Intraoperative Electroencephalogram Suppression Mediates the Relationship Between a Preoperative "Vulnerable Brain" Phenotype and Postoperative Delirium

Bradley A. Fritz, Christopher R. King, Nan Lin, Arbi Ben Abdallah, Michael Avidan

D112. Low Alpha Power from Electroencephalographic Activity Is Associated with the Development of Acute Confusional State

Rodrigo Gutiérrez, Jose Ignacio Egana, Ivan Saez, Fernando Reyes, Constanza Briceno, Mariana Venegas, Isidora Lavado, Antonello Penna

D113. Mind the Gap: Using the Electroencephalogram (EEG) to Uncover Potential Emergence during Cardiac Surgery

Darren F. Hight, Markus M. Luedi, David Reineke, Balthasar Eberle, Heiko Kaiser

D114. Correlation Between Cognitive Deficits and Amyloid-Load Independent of Sex or Anesthesia in a Mouse Model of Alzheimer's Disease

Christoph Pötzl, Laura C. Preis, Sebastian Schmid, Manfred Blobner, Gerhard Schneider, Bettina Jungwirth

D115. Isoflurane and Xenon Reserve the Effect of A β 1-42 on MEGF10-Dependent Synapse Elimination by Astrocyte

Gerhard Rammes, Dai Shi, Tatjana Neumüller, Francisca Seeser, Kaichuan Zhu, Jochen Herms

D116. Dexmedetomidine Causes Age-Dependent Differences in the EEG Compared to NREM Sleep in B6 Mice

Morgan Siegmann, Daniel Zachs, Jonathan Kenny, Mohsen Hozan, Matthew Wilson, Emery N. Brown, Christa J. Van Dort

D117. Ventilator Mode Does Not Influence Blood Loss or Transfusion Requirements during Major Spine Surgery: A Retrospective Study

Priyanka Singla, Davis G. Taylor, Ching-Jen Chen, Lucas Fernandez, Christopher Wiedle, Mark Hanak, Siny Tsang, Edward C. Nemergut, Marcel Durieux, Randal Blank, Bhiken Naik, Lauren K. Dunn

D118. Evaluation of the Effect of Implementation of Enhanced Recovery after Surgery Program in Spinal Surgical Procedures (MSDRG S454 and S455): A Retrospective Study

Jun Tang, Steve Sun, Zhaoyi Tang, Stephan Yang, Jun Tang, Alexandre Rasouli, Tiffany G. Perry, Sang D. Kim, Julian Gold, Harry Sax, Roya Yumul, Jeff Smith, Bryan Croft, Kristoffer Thordarson, Eric Robertsen, Rachel Fridman

D119. The Lower Limits of Neonatal Cerebral Autoregulation during Congenital Cardiac Surgery Eric L. Vu, Brendan L. Smith, Craig G. Rusin, R. B. Easley, Dean Andropoulos, Ken M. Brady

D120. Understanding Functional Connectivity Contributions to Digital Cognitive Pre-Operative Screening Tests: The Digital Maze (dMaze)

Margaret Wiggins, Catherine Dion, Cheshire Hardcastle, Hua Huang, Jared J. Tanner, Penney Dana, Randall Davis, Mingzhou Ding, Catherine Price

D121. Contingency Planning to Overcome Critical Shortages of Hyperbaric Bupivacaine for Obstetric Anesthesia Care

Laurence Ring, Xiwen Zhang, Beatriz Raposo Corradini, Ruth Landau Kosaka Best of Meeting Award Finalist - Clinical Research

D122. Acute Pulmonary Edema in a Pregnant Patient with Moyamoya Disease and Undiagnosed Mitral Regurgitation Induced by Emotional Distress

Indranil Chakraborty, Priya Gupta, Andrew Wright

D123. A Prospective Randomized Comparison of Low Dose Ropivacaine Programmed Intermittent Epidural Bolus with Continuous Epidural Infusion for Labour Analgesia

Alexander Ioscovich, Yana Guseva, Oksana Ryazanova, Stanislav Aleksandrovich

D124. Genetic Associations of Perinatal Pain and Depression

Grace Lim, Lora Mcclain, Lia M. Farrell, Kelsea Lasorda, David Peters

D125. Usage of 'Big-Data' Analysis for Choosing the Optimal Timing of Epidural Analgesia in Primi and Multiparae in a Retrospective Electronic Medical Record (EMR) Based Study

Eshel A. Nir, Michal Lipschuetz, Sarah M Cohen, Joshua Guedalia, Ron Unger, Simcha Yagel

D126. The Epigenetic Mechanism of Chronic Nicotine in Pain Perception in an Animal Model Keith Candiotti, Yanping Zhang, Alec Sevilla, Robert Weller, Yiliam F. Rodriguez Blanco

D127. Biased Properties Observed with Opioid Reward and Relapse in the Presence of Incisional Injury in Mice

Chinwe Nwaneshiudu, Xiao You Shi, David Clark

D128. Opioid Therapy Algorithm for Chronic Non-Cancer Pain Based on APS, AAPM, CDC, ASA and ASRA Guidelines and Position Statements

Ethan L. Chambers, Jason Lefkof, Akwasi Amponsah, Konstantinos D Sarantopolous Kosaka Best of Meeting Award Top Finalist - Clinical Research

D129. An Earlier Educational Intervention in Residents Improves Knowledge of Non-Opioid Acute Pain Management in the In-Patient Hospital Setting

Harpreet Dhiman, Jennifer Knuth, Melissa Ehlers, Anthony Ocon, Yi Zhou, Henry Nagle, Ravneet Bhullar

D130. Association Between Preoperative Opioid and Benzodiazepine Use and Postoperative Outcomes in Joint Arthroplasty

Lisa Doan, Kristoffer Padjen, Adam Gover, Jawad Rashid, Bijan Osmani, Shirley Avraham, Samir Kendale

D131. Postoperative Motivational Interviewing Based Opioid Tapering to Promote Opioid Cessation in Adults Undergoing Orthopedic Surgery: A Randomized Clinical Trial

Jennifer Hah, Partha Krishnamurthy, Heather Hilmoe, Ian Carroll, Sean Mackey

D132. Effect of Catechol-O-Methyltransferase (rs4680) Single Nucleotide Polymorphism on Opioid Induced Hyperalgesia in Adults with Chronic Pain

Danging Hu

D133. Effect of Fentanyl Infusion on Postoperative Pain in Patients after Craniotomy Yuki Ishii, Yuichiro Toda, Sena Hara, Hideki Nakatsuka

D134. Association and Predictors of Opioid Discontinuation after Surgery Among Chronic Opioid Users in Ontario

Naheed Jivraj, Damon Scales, Tara Gomes, Jennifer Bethell, Andrea D. Hill, Ruxandra Pinto, Duminda N. Wijeysundera, Hannah M. Wunsch

D135. Social Isolation Stress Prevents Norepinephrine-Mediated Inhibition of TRPV1 Activation in Mouse Sensory Neurons

Loc V. Thang, Ream Al-Hasani, Jordan G. Mccall

D136. Sustaining the Gains: A 6 Year Follow through of the Impact of a Hospital Wide Patient Safety Strategy on Global and Anesthetic Patient Safety Outcomes

Ming Ann Sim, Lian Kah Ti, Sandhya Mujumdar, Sophia Chew, Mohan Kumar Bhuvaneshwari, Sophia Ang Kosaka Best of Meeting Award Top Finalist - Clinical Research

D137. Patient-Reported In-Hospital Complications and Self-Reported Cognitive Function 1-Year after Surgery

Thomas G. Kannampallil, Amrita Aranake-Chrisinger, Noor Al-Hammadi, Michael Avidan Kosaka Best of Meeting Award Finalist - Clinical Research

D138. A Microbiological Assay of Common Operating Room Tapes: Developing a Culture for Patient Safety

Gaurav Chauhan, Aman Upadhyay, Samvid Dwivedi, Robert J. Tibbetts

D139. Improving Adherence to Intraoperative Administration of Surgical Antimicrobial Prophylaxis: A Single Center Experience

Victoria Haney, Stephan Maman, Jansie Prozesky, Kunal Karamchandani

D140. Comparing the Incidence of Low Minute Ventilation, Low Tidal Volume and Low Respiratory Rate on the General Hospital Floor

Alparslan Turan, Hani Essber, Barak Cohen, David Chelnick, Jasmin Imsirovic, Wael Saasouh

D141. The Use of the Federal Aviation Administration's Crew Resource Management Techniques to Identify Hazardous Attitudes in Crew Resource Management Among Anesthesiology and Surgery Residents

Christina R. Miller, Adam Schiavi, Robert S. Greenberg

D142. Risk Factors for Acute Kidney Injury after Primary Total Correction of Coarctation of the Aorta (COA) and Transposition of the Great Arteries (TGA) in Infants: A Retrospective Cohort Study Sooyoung Kim, Minjeong Jang, Jihion Yu, In-Kyung Song, Jae Moon Choi, Won-Jung Shin, Mijeung Gwak Kosaka Best of Meeting Award Finalist - Scholars

D143. To Tube or Not to Tube: Laryngeal Mask Airway vs Endotracheal Tube for Airway Management During General Anesthesia in Severely Obese Children

Sung Choi, Olubukola O Nafiu

D144. Safety of Prophylactic Antifibrinolytics in Children Undergoing Spinal Fusion Lisa Eisler, Minjae Kim, Lena Sun, David Faraoni

D145. Are Pediatric Patients with Phace Syndrome at High Risk for Anesthetic Complications? Brett Escarza, Susana Cruz Beltran, Humphrey Lam, Thomas M. Austin

D146. Identifying Unnecessary Blood Transfusions in Patients Undergoing Craniofacial Surgery using National Craniosynostosis Registry Dataset

Allison M. Fernandez, Lillian Zamora, Ali Jalali, Luis Ahumada, Jim Fackler, Mohamed Rehman

D147. Preventing Spinal Cord Injury & Infarction in Patients with Mucopolysaccharidosis during Non-Spine Surgery

Jonathan Halem, Mary C. Theroux, William G. Mackenzie, Phoebe Fisher, Anthony Dinardo

D148. A Neonatal Cardiac Arrest: What Could Be Happening?

Adnan R. Khan, Ana Crnkovic, Melissa Ehlers

D149. Adenotonsillectomies in Pediatric Patients with Severe Obstructive Sleep Apnea Makoto Nagoshi, Connie Mun-Price, Kathleen Than, Branden Engorn, Patrick Ross

D150. Unanticipated Admissions during the Perioperative Period: Summary of Data from the Wake Up Safe

Thanh Nguyen, Amanda Lorinc, Humphrey Lam, Thomas M. Austin

D151. Intranasal Insulin Prevents Anesthesia-Induced Cognitive Impairment in Juvenile Mice Patricia Roque, Tamaki Sato, Yosuke Nakadate, Hiroaki Sato, Shelly Yin, Mehdi Hooshmandi, Linda Wykes, Arkady Khoutorsky

D152. Temporal Changes in the Frequency of Intraoperative Hypotension in Children Jonathan A. Sohn, Bishr Haydar, Aleda Thompson, Shobha Malviya, Olubukola O Nafiu

D153. Prevention of 'Emergence Agitation' with Propofol or Fentanyl in Children Undergoing Below Umbilical Surgeries Under Sevoflurane Anaesthesia Sangeet Tanwar, Sunil K Sinha

D154. The Electroencephalographic Signature of Spinal Anesthesia in Infants: A Multi-Center Pilot Study Emmett Whitaker, Jerry Y. Chao, Elissa Yozawitz, Alan Legatt, Gregory L. Holmes, Robert Williams

D155. Functional Near-Infrared Spectroscopy (fNIRS) during Newborn Circumcisions: A Pilot Study Ian Yuan, Arjunan Ganesh, Olivia Nelson, Kurtulus Izzetoglu, Bingqing Zhang, Janell Mensinger, William Landis

D156. Intravenous Cannula Placement in Children in the Operating Room for Induction of General Anesthesia: Prospective Audit and Identification of Success Factors

Matthias Görges, Celine Hügel, Andrew Poznikoff, James C. Chen, Eleanor J. Reimer

D157. Preoperative Gabapentinoids Increase Risk of Postoperative Opioid-Related Respiratory Depression in Adult Patients Undergoing Total Hip and Knee Arthroplasties

Sean Moore, Tetsu Ohnuma, Karthik Raghunathan, John Whittle, Raquel R. Bartz, Srinivas Pyati, Alan Ellis, William E. Bryan, Marc Pepin, Vijay Krishnamoorthy Kosaka Best of Meeting Award Finalist - Scholars

D158. Epidemiology of Surgical Site Infection in Spinal Fusion Surgery and Patterns of Discordance with Surgical Antibiotic Prophylaxis: A Retrospective Case-Level Analysis

Dustin R. Long, Jeannie Chan, Chloe Bryson-Cahn, John Lynch Kosaka Best of Meeting Award Finalist - Clinical Research

D159. Effects of Acetaminophen, Nsaids, Gabapentinoids and Their Combinations on the Day of Surgery in Total Hip and Knee Arthroplasties

Tetsu Ohnuma, Karthik Raghunathan, Alan Ellis, John Whittle, Srinivas Pyati, William E Bryan, Marc Pepin, Raquel R. Bartz, Vijay Krishnamoorthy

Kosaka Best of Meeting Award Finalist - Clinical Research

D160. The Impact of Nutraceutical Pre-Habilitation and Postoperative Treatment with Ecoisapentanoic Acid (EPA) and Acetylsalicylic Acid on a Novel Animal Model of Recovery after Surgery

Juan Cata, Miguel Patino Montoya, Michael Lacagnina, Ruben Agudelo-Jimenez, Imad Shureiqi, Carin Hagberg, Peter Grace

Kosaka Best of Meeting Award Finalist - Basic Science Research

D161. Deep Immune Profile of Preoperative Glucocorticoid Administration in Patients Undergoing Surgery

Brice Gaudilliere, Edward A. Ganio, Natalie Stanley, Jakob Einhaus, Amy S. Tsai, Anthony Culos, Kristen Rumer, Ramin Fallahzadeh, Viktoria Lindberg-Larsen, Henrik Kehlet, Martin S. Angst, Nima Aghaeepour Kosaka Best of Meeting Award Finalist - Basic Science Research

D162. Identification of Optimal Anesthetic Depth with Sevoflurane using Different Stimuli for a Movement Free Intravenous Cannulation in Children

Hassan H Al-Salmi, Nikhil Gosalia, Rashid M. Khan, Naresh K. Kaul

D163. Understanding Provider Variability in the Use of Neuromuscular Blocking Agents

Friederike C. Althoff, Denys Shaydenfish, Maria Silva Dias Santos Patrocinio, Xinling Xu, Timothy Houle, Matthias Eikermann

D164. Incidence of Persistent Opioid Use in Children after Surgery

Thomas A. Anderson, Andrew T. Ward, Beth De Souza, Ellen Wang, Daniel Miller, Nicholas Bambos

D165. Intraoperative Awareness with Explicit Recall: A Patient Centered Survey-Based Cohort Study Anna Maria Bombardieri, Troy Wildes, Shagun Mathur, Andrea Soares, Anshuman Sharma, Michael Avidan

D166. Systematic Review of Cognitive Screening Tests to Predict Postoperative Delirium Maria Garstka, Enoch Lam, Farrah A. Ayob, George Ho, Frances F. Chung, Jean Wong

D167. Quality of Recovery in Patients with Pancreatic or Common Bile Duct Cancer Receiving Curative Surgery: Comparison with TIVA and Inhalation Anesthesia using QOR-40 Questionnaire Young Eun Joe, Chang Moo Kang, Jeong Rim Lee

D168. Intraoperative Analgesia Patterns at an Academic Tertiary Medical Center during the 2018 Parenteral Opioid Shortage

Richard K. Kim, Cliff Schmiesing

D169. Serum Fructosamine Versus Hemoglobin A1C for Glycemic Control in Diabetic Patients Undergoing Surgery

Ana C. Mavarez-Martinez, Nicoleta Stoicea, Alicia Gonzalez-Zacarias, January K. Kim, Barbara Rogers

D170. Laparoscopic Specimen Bags Study

Asha Mohammed, Matthew Molyneux

D171. A Perioperative Education Intervention Designed to Reduce Cost and Turnover to Surgeon Time William P. Murphy, Amanda J. Williams, Prem Darji, William L. Johns, Jan Pasnak

D172. Reducing Costs by Eliminating Unnecessary Preoperative Urine Cultures
Sher-Lu Pai, Joan Irizarry-Alvarado, Daniela A. Haehn, Wendelyn Bosch, Walter C. Hellinger

D173. A Pilot Feasibility Trial of Physical and Cognitive Prehabilitation to Improve Outcomes in Surgical Patients

Kimberly Rengel, Nitin Mehdiratta, Susan Vanston, Kristin Swygert, Jim Jackson, Pratik Pandharipande, Christopher G. Hughes

D174. Post-Operative Oral Oxycodone and Hydromorphone: A Comparison of Opioid Consumption and Side Effects

Emily Spence, Richard Brull, Faraj Abdallah

D175. Comparison of Sugammadex and Neostigmine for Reversal of Rocuronium Neuromuscular Blockade on the Incidence of Postoperative Pulmonary Complications: A Randomized Controlled Trial Brandon M. Togioka, N. David Yanez, Michael Aziz, Janna R. Higgins, Miriam Treggiari

D176. Perioperative Multimodal Analgesic Regimens Decrease Hospital Length of Stay and Expedite Recovery Following Spinal Fusion Surgery

Andrew Vargas, Lee-Lynn Chen, Solmaz P. Manuel, Jeremy Lieberman

D177. Association Between Postoperative Myocardial Injury Phenotypes and Disability-Free-Survival in Patients Undergoing Non-Cardiac Surgery

Lisette Vernooij, Judith Van Waes, Michael Mckenny, Matthew Machina, Simon Feng, Duminda N Wijeysundera, Hendrik Nathoe, Linda Peelen, Wilton Van Klei, W. Scott Beattie

D178. Gabapentinoids on the Day of Colorectal Surgery Are Associated with Adverse Postoperative Respiratory Outcomes

Rosalie Yan, Tetsu Ohnuma, Vijay Krishnamoorthy, Alan Ellis, Neil Ray, John Hsia, Srinivas Pyati, Mihaela Stefan, William E. Bryan, Marc Pepin, Peter Lindenauer, Raquel R. Bartz, Karthik Raghunathan

D179. The Transversus Thoracic Plane (TTP) Block: A Pooled Review of 748 Cases

Kevin W. Chung, Ying Ye, Garrett W Burnett, Christina L. Jeng

D180. Continuous Iliohypogastric Nerve Catheter Infusions for Postoperative Analgesia Following Bladder Augmentation in a Child with Goldenhar Syndrome

Chris Denny, Sarah Hall

D181. Comparison of the Image Quality of 8 Different Ultrasound Machines for Axillary and Interscalene Nerve Blocks

Francis Remerand, Quentin Belot, Brice Fermier, Marc Laffon

D182. Title Pending

Suresh K. Singhal, Subhadarsini Choudhury, Kiran Preet

D183. Deliberate Intraneural Injection: Where Does It Spread and How

Cameron Smith, Olga Nin, Richa Wardhan, Xavier Sala-Blanch, Miguel A Reina, Andre P. Boezaart

D184. Discovery of a Antero-Laminar Fibrous Body That May Possibly Anchor Dura to the Lamina

Cameron Smith, Andre P. Boezaart, Alberto Prats-Galino, Barys Ihnatsenka, Olga Nin, Anna Server, Miguel A. Reina

D185. The Use of Pterygopalatine Ganglion Block for Positional Headache and Nausea Secondary to latrogenic CSF Leak

Cameron Smith, Erik M. Helander, Andre P. Boezaart

D186. Risk of Major Cardiovascular Complications after Elective Surgery in Patients with Sleep Disordered Breathing

Rabail Chaudhry, Colin Suen, Talha Mubashir, Jean Wong, Clodagh Ryan, Frances F. Chung

D187. Sleep Disordered Breathing as an Independent Risk Factor for Post-Operative Delirium in Elective Surgical Procedures

Rabail Chaudhry, Enoch Lam, Greesha Padnekar, Talha Mubashir, Frances F. Chung, Jean Wong

D188. The SANDMAN Study: Sleep Apnea, Neuroinflammation, and Cognitive Dysfunction Manifesting after Non-Cardiac Surgery

Michael Devinney, Andrew R. Spector, Jeffrey N. Browndyke, Patrick J. Smith, Jennifer Dominguez, Thomas Bunning, Mary Cooter, Joseph P. Mathew, Miles Berger

D189. Obstructive Sleep Apnea Does Not Predispose to Postoperative Delirium: A Retrospective EHR Based Analysis

Christopher R. King, Bradley A. Fritz, Krisztina Escallier, Michael Avidan

D190. Prevalence of Sleep Disordered Breathing in Chronic Non-Cancer Pain Patients on Opioid Therapy: A Systematic Review and Network Meta-Analysis

Mahesh Nagappa, Jean Wong, Frances F. Chung, Talha Mubashir, Nilufar Esfahanian, Joseph M. Botros, Clodagh Ryan

D191. Response to Inhaled Anesthetics Measured by the Triple Variable Index Reveals Population-Specific Patterns of Intraoperative Hypotension Exposure

Michael P. Schnetz, Pritika Dasgupta, Douglas Landsittel, Harry Hochheiser, Keith M. Vogt, James W. Ibinson, Steven Whitehurst, Aman Mahajan, David Danks, Ata M. Kaynar Kosaka Best of Meeting Award Top Finalist - Scholars

D192. The Effect of Low Dose Intra-Operative Ketamine on Closed-Loop Controlled General Anesthesia: A Randomized Controlled Equivalence Trial

Matthias Görges, Klaske Van Heusden, Erin Cooke, Gabrielle Napoleone, Nicholas West, Guy A. Dumont, J. Mark Ansermino, Richard N. Merchant

Kosaka Best of Meeting Award Finalist - Clinical Research

D193. Poiseuille's Law Demonstration to Compare Flow Rates with Commonly Used Vascular Catheters and IV Tubing Accessories

Christina R. Miller, David Berman, Steven M. Frank, Adam Schiavi, Shirley Duarte Kosaka Best of Meeting Award Finalist - Clinical Research

D194. Implementation of a Distributed Research Network Virtual Data Warehouse for a Multi-Center Observational Study

Seshadri Mudumbai, Fan Wu, Justin Chambers, Aditi Kapoor, Jennifer S. Lee, David Clark, Edward R. Mariano. Randall S. Stafford

Kosaka Best of Meeting Award Finalist - Clinical Research

D195. A Novel Learning Management System to Revolutionize Generation, Administration, and Assessment of Simulation-Based Medical Education

Scott M. Pappada, Mohammad H. Owais, Cristina Alvarado, Jeffrey Schneiderman, Douglas Brunner, Andrew Casabianca, James Hofmann, Thomas J. Papadimos

Kosaka Best of Meeting Award Finalist - Basic Science Research

D196. Cardiac Index Measurement by Pulmonary Artery Catheter, Arterial Waveform Analysis and Impedance Cardiography during Liver Transplantation

Mingi Ban, Bon-Nyeo Koo

D197. An Intraoperative Clinical Decision Support Tool Optimizes Post-Operative Glucose Levels in Diabetic Patients

Chelsie J. Dietz, Robert E. Freundlich, Gen Li, Jonathan Wanderer

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E136. Intraoperative Factors That Improve Risk Prediction of Postoperative Acute Kidney Injury in General Surgery Patients

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E137. Assessing Methods of Medication Error Monitoring for Quality Improvement

Albert Y. Lin, Manon Haché, Gracie Almeida-Chen, Lena Sun

E138. Preoperative Anesthesiologist-Led Clinic and Multi-Disciplinary Team Clinic

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E139. Endotracheal Tube Cuff Pressures: How Much Is Too Much?

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E140. Evaluation of Perioperative Safety Behaviors at a Multidisciplinary Level

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E141. Enhanced Monitoring of Hypoxemia and Hypoventilation Reduces Postoperative Cardio-Pulmonary Complications in Patients Undergoing Bariatric Surgery: A Retrospective Observational Cohort Study Mandeep Singh, Frances F. Chung, Jean Wong, Najia Hassan, George Tomlinson, Julie Hudson, Laura Hawryluck

E142. Educational Interventions to Prevent Perioperative Syringe Swaps of High-Alert Medications Jamie Sparling, Douglas Choe, Allison Doney, Jeremi Mountjoy, Aalok V. Agarwala, Kathy Kong, Leo Tabayoyong, May C. Pian-Smith

E143. Solutions for Management of Angiotensin Converting Enzyme Inhibitor-Induced Angioedema in a High Risk Population: A Single Center Retrospective Observational Study

Tracey Straker, Alexandra Bastien, Dahlia Townsed, Singh Nair

E144. Solutions for Management of Angiotensin Converting Enzyme Inhibitor-Induced Angioedema in a High Risk Population: A Single Center Retrospective Observational Study

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E145. Incidence of Patient Safety Events Associated with Prolonged Extubation

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E146. Distraction as a Means of Providing Procedural Anxiolysis for a Three Year Old with Severe Biventricular Cardiomyopathy

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E147. Association Between Hypothermia and PACU Length of Stay in Pediatric Patients Undergoing MRI with General Anesthesia

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E148. Pediatric Rhabdomyolysis: An Analysis of Demographics, Risk Factors, and Outcomes *James Damiano, Lena Sun, Teeda Pinyavat*

E149. Prediction of Blood Product Transfusion in Patients Undergoing Craniofacial Surgery using Machine Learning Based on the Pediatric Craniofacial Collaborative Group Registry Dataset

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E150. PCEA vs IV PCA: A Randomized Controlled Trial Assessing Pain Control Following Minimally Invasive Repair of Pectus Excavatum

Chris D. Glover, Michael Zelisko, Nihar V. Patel, Mark Mazziotti, Darrell Cass, Kim P. Nguyen

E151. Endotracheal Tube Cuff Inflation using Closure of the Flow Volume Loop. Test of This Novel Method in a Model of the Pediatric Airway

Thomas Hackmann, Sammy Jreige

E152. A Survey on Discharge Practices for Former Term and Preterm Infants at Risk for Post-Operative Apnea Following General Anesthesia

Matthew F. Hirschfeld, Lynnie Correll, John Schroeder, Anna Rabinowitz, Ashwani Chhibber

E153. Unclear Etiology of Profound Respiratory Failure Requiring ECMO after Pa Reconstruction and Repair of Tetralogy of Fallot with Pulmonary Atresia, and Major Aortopulmonary Collateral Arteries Richard Jin, Anthony Clapcich

E154. A Novel Anaesthetic Technique for Laparoscopic Inguinal Hernia Repair in Infants and Neonates *Prakash Krishnan, Simon D. Whyte, Robert Baird, Stephan Malherbe*

E155. Perioperative Temperature Regulation in Pediatric Surgical Patients: Too Warm for Comfort Shu Ying Y. Lee, Rehena Sultana, Yew N. Siow, Choon L. Bong

E156. Spinal Anesthesia in Neonates Presenting for Infraumbilical Surgeries Can Improve Operating Room Utilization in Addition to Reducing Risk for Postoperative Apnea and Hemodynamic Fluctuations Chang Amber Liu

E157. Intranasal Midazolam with Xylocaine for Pediatric Pre Op Sedation in Ambulatory Myringotomy and Tube Placement Surgery: A Randomized Controlled Trial David A. Ullman, Melissa B. Scribani, Jennifer M. Victory

E158. Complications and Consequences of Anesthetic Technique for Endobronchial Ultrasound Guided Transbronchial Needle Aspiration (EBUS-TBNA): Implications from a Retrospective Study Megan Anders, Emily A. Bergbower, Miranda Gibbons, Ashutosh Sachdeva, Peter Rock

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Jaume Borrell Vega, Cory Roeth, Christina M. Pennington, Juan L. Rendon, Emma L. Alden, Erik E. Abel,

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E162. An 'Enhanced Recovery after Surgery' Bundle for Head and Neck Free Flap Reconstructive Surgery Improves Post-Operative Pain and Reduces Length-of-Stay

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E163. Real World Utilization Patterns of Perioperative Neuromuscular Blockade Reversal in the United States: A Retrospective Observational Study from the Multicenter Perioperative Outcomes Group Timur Dubovoy, Sachin Kheterpal, Nirav Shah, Leif Saager, Shelley Housey

E164. Sevoflurane Attenuates Natural Killer Cell Activity and Decreases Apoptosis of Target Tumor Cells Valerie C. Fehr, Suellen Oliveira, Martin Schlapfer, Richard Minshall, Beatrice Beck-Schimmer

E165. The Impact of Cannabis Use Disorder on Perioperative Outcomes in Major Elective Surgeries: Results from a Nationally Representative Sample

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E166. Incidence of Preoperative Cardiac Stress Test Rates Decreased in Patients Undergoing Elective Total Hip and Knee Arthroplasty from 2008 - 2015

Robert Hughey, Daniel S. Rubin

E167. Persistent Increase in Neurodegeneration Markers and Immunoaberration after Elective Heart Surgery

Krzysztof Laudanski, Matthew Dimeglio, Ramon Diaz-Ariasta, Saumil Patel

E168. Quantifying the Impact of Physician Supervision on Nurse Anesthetists' Risk-Adjusted Antiemetic Prophylaxis

Stephan Maman, Michael H. Andreae

E169. An EMR-Derived Individual Anesthesia Provider Metric to Measure Risk-Adjusted Adherence with Perioperative Prophylactic Bundles for Health Systems Science and Disparity Research Stephan Maman, Michael H. Andreae

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E172. Thoracic Epidural vs Intercostal Nerve Blocks with Liposomal Bupivicaine for Post-Operative Pain Control in Patients Undergoing Video-Assisted Thoracoscopic Surgery

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Kendrick M. Shaw, Eyal Y. Kimchi, Oluwaseun Akeju, Michael B. Westover

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Loren Smith, Derek K. Smith, Alan T. Remaley, Macrae F. Linton, Frederic T. Billings

E178. Impact of Intraoperative Use of Sequential Peristaltic Pneumatic Compression Device on Fluid Requirement during General Anesthesia

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E179. Serratus Anterior Plane Block for Pediatric Thoracoscopy

Katsiaryna Bellaousov, Donna Bracken, Suparna Dang, Danielle Lindenmuth, Audra Webber

E180. Ultrasound Guided Supraclavicular vs Retroclavicular Block of the Brachial Plexus: Comparison of Impact on Ipsilateral Diaphragmatic Function

Paige L. Georgiadis, Kamen Vlassakov, Philipp Lirk, Jose Zeballos, Kristin Schreiber

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Erik M. Helander, Linda Le-Wendling, Barys Ihnatsenka, Yury Zasimovich

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Nasir Hussain, Richard Brull, Colin McCartney, Nicolas Kumar, Michael Essandoh, Faraj Abdallah

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E184. Effects of Lidocaine on Breast Cancer Cells and the Potential Role of Transient Receptor Potential Melastatin 7 (TRPM 7)

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E185. Pectoral Block vs Paravertebral Block: A Systematic Review and Meta-Analysis

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E186. Safety and Efficacy of a Regional Anesthetic Protocol Performed by General Anesthesiologists for Total Knee Arthroplasty in a Rural Community Hospital

Kathleen Johnson, Hannah M. Harris, Matthew W. Bullock, Daniel J. Forest, Melissa Laxton, Jordan Rejeski, Yvon F. Bryan

E187. Preoperative Pregabalin Prolongs Spinal Anesthesia for Total Knee Arthroplasty

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E188. Comparison of Post Operative Analgesia and Incidence of Chronic Pain in Quadratus Lumborum Block and Transversus Abdominis Plane Block in Patients Undergoing Elective Inguinal Hernia Surgery S. Adinarayanan, Karthikeyan Alagumalai, Vasudevan Arumugam

E189. A Report on 105 Outpatient Total Knee Arthroplasties

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E190. Is Extrapolation of Animal Data for Intraneural Injection to Humans Valid?

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Vimal Desai, Shawn Winnick, Peggy G. Duke, Diana Laplace, Vu T Nguyen, Atef Morkos, Stephen Moy, Elena Chung, Jennifer Naughton, Jennifer Dang, Ryan Depakakibo, Chunyuan Qiu

E192. Correlation Between Lung Mechanics Parameters during Abdominal Surgery and Plasma Levels of Biomarkers of Lung Injury

Ana Fernandez-Bustamante, Juraj Sprung, Karsten Bartels, Carolina Kosour, Toby Weingarten, Marcos Vidal Melo

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E194. Perioperative Risk Factors for Postoperative Respiratory Complications in Patients at Risk for Obstructive Sleep Apnea

Alberto A. Uribe, Sergio Bergese, Alan G. Esparza Gutierrez, January K. Kim, Marilly Palettas, Juan Fiorda-Diaz, Nicoleta Stoicea

E195. Effect of Cardiac Surgery on Post-Operative Sleep Patterns: An Observational Study Amanda Kleiman, Julie Huffmyer, Edward C. Nemergut, Lauren K. Dunn, Eryn L.Thiele, Jane L. Gui

E196. Evaluation of Micropore's Spiralith Absorbents into Anesthesia Breathing Circuits Raksha Bangalore, Andrea Perales, Anna Korban, George Tewfik

E197. Comparing Hemorrhage in Human Physiology Simulation Tools: How They Stack Up Against Expected Human Physiology and Each Other

John J. Barnes, Mojca R. Konia, Jon Keller, Kenneth Kiberenge

E198. Impact of Preload Changes on Tissue and Cerebral Oxygenation Values

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Atsushi Kainuma, Koichi Akiyama, Yoshifumi Naito, Mao Kinoshita, Masaru Shimizu, Maki Ishii, Junya Ohara, Teiji Sawa

E200. Transcutaneous Measurement of Volatile Anesthetic Gas: A Preliminary Study

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E201. Glucose Measurements in Blood-Free Balanced Salt Solutions with Three Devices

Matthias Riess, William J. Cleveland, Johannes A. Pille, Felicia P. Lotze, Michele M. Salzman, Claudius Balzer, Josephine Hees

E202. Diagnosing Respiratory Obstruction with Continuously Recorded Tidal Breathing Flow Volume Loops using a Non-Invasive Respiratory Volume Monitor

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E203. Background Music Contributes to Error in the Operating Room

Joseph Schlesinger, Kendall J. Burdick, Clayton D. Rothwell

E204. Validation of Non-Invasive Beat-To-Beat Finger Arterial Pressure Measured Ipsi - and Contra-Laterally of the Radial Artery Blood Pressure

Rogier V. Immink, Denise P. Veelo, Julia Heusdens, Bart F. Geerts, Lotte Terwindt

E205. The Role of Microtubule Instability in the Histone-Induced Endothelial Barrier Dysfunction Boyoung Cha, Junghyun Kim, Chenou Zhang, Kenichi Tanaka, Konstantin Birukov, Anna Birukova

E206. Sevoflurane Is Associated with Worse Clinical Outcomes and Altered Inflammatory Markers in Blunt Trauma Patients: Pharmacogenomic Association with Single Nucleotide Polymorphisms rs4715332 and rs1695

Maria A. Cohen, Lukas Schimunek, Rami A. Namas, Ata M. Kaynar, Markus Huber-Lang, Timothy R. Billiar, Yoram Vodovotz

E207. Intraoperative Management of a Trauma Patient with Suspected Malignant Hyperthermia, Hemorrhagic Shock, and Acute Pulmonary Edema Necessitating ECMO: A Case Report Andreas Plackis, Steve Hyman, Amy Robertson

E209. Circulating Plasma miRNAs Trigger Innate Immune Activation in a Mouse Model of Polytraumatic Injury

Andrew O. Suen, Sheng Wang, Lin Zou, Rosemary Kozar, Catriona Miller, Wei Chao

F1. Changes in Applied Laryngoscope Force Affect Peak Spinal Cord Strain

Benjamin C. Gadomski, Brad J. Hindman, Mitchell Page, Michael Todd, Vincent C. Traynelis, Christian M. Puttlitz

F2. A Randomized Comparison of Airway Devices in Patients with Simulated Cervical Immobilization Min Hur, Tae Kyong Kim, Hyung-Chul Lee

F3. Effect of Cervical Collar on Oropharyngeal Sealing Pressure and Fiberoptic View of the Glottis with Ambu Aura Gaintm Laryngeal Airway: A Randomized Cross Over Trial

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F4. Vallecular Cyst in a Patient Undergoing Emergency Embolization of Ruptured Cerebellar Aneurysm: An Unanticipated Difficult Airway

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F5. Experimental Study on Temperature Change in Circuit during Low Flow Anesthesia Due to Difference in Anesthesia Circuit

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F6. A Pilot Study to Determine the Accuracy of Ultrasound in Measurement of the Dimensions of the Pediatric Cricothyroid Membrane

Bill A. Walsh, Paul Fennessy, Roisin Ni Mhuircheartaigh, Aisling Snow, Kevin McCarthy, Conan McCaul

F7. Adductor Canal Nerve Block vs Intra-Articular Anesthetic in Knee Arthroscopy: A Prospective Randomized Trial

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F8. Use of a Modified Infant Face Mask and a Mapleson C Circuit to Maintain Spontaneous Nasal Ventilation and Oxygenation in Obese Patients during Outpatient EGD and Colonoscopy James Tse, Sylviana Barsoum, Kang Rah

F9. Propofol Toxicity in Cardiomyocyte Mitochondria of Developing Mice: The Role of the Mitochondrial Transition Pore

Matthew Barajas, Richard J. Levy, Sarah Brunner, Lifei Wang, Aili Wang

F10. S-Ketamine Enhances Thalamocortical As Well As Intracortical Synaptic Transmission in Mouse Brain Slices

Matthias Bieber, Claudia Kopp, Gerhard Schneider, Matthias Kreuzer, Stephan A. Kratzer, Rainer Haseneder

F11. Sevoflurane Enhances iNOS Expression and Bactericidal Effects of Macrophages In Vitro and In Vivo in a Murine Model

Thomas Gerber, Valerie C. Fehr, Suellen Oliveira, Guochang Hu, Randal O. Dull, Marcelo Bonini, Beatrice Beck-Schimmer, Richard Minshall

F12. Pharmacodynamics of Handgrip Strength during Induction of Propofol Anesthesia Christian S. Guay, Gilles Plourde

F13. Effect of Sevoflurane and Propofol on a Human Breast Cancer Cell Line with Tropism to Brain in Vitro

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F14. Intravenous vs Volatile Anesthesia and Breast Cancer Surgery Outcome: A Systematic Review and Meta-Analysis

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F15. At Supra-Clinical Doses ABP-700 Produces Involuntary Muscle Movements Distinct from Seizure Activity in Beagle Dogs

John Marota, Dario Lehoux, Brad Zerler, Mylene Pouliot, Simon Authier

F16. Differential Inhibition of Steroidogenesis by Etomidate and Etomidate Analogs in Adult Male Rats Megan Mcgrath, Alissa Hofmann, Douglas E. Raines

F17. A Semimechanistic Model to Characterize the Pharmacokinetics and Dynamics of Subcutaneous Dexmedetomidine in Healthy Adult Volunteers

Teijo I. Saari, Muhammad W. Ashraf, Panu Uusalo, Mika Scheinin

F18. Studies of the New Neuromuscular Blocking Agent CW 1759-50 in the Cat, As in Monkeys, Predict Short- to Ultra-Short Duration in Humans, Reflecting Rapid Degradation by L-Cysteine Adduction in Vitro John J. Savarese, Hiroshi Sunaga, Jeff Mcgilvra, Paul M. Heerdt, Anita M. Jegarl, Farrell Cooke, Stewart Mccallum, Randy Mack

F19. Prevalence of Bradycardia Associated with Sugammadex Administration in a Single-Center Retrospective Analysis of Electronic Medical Record Data

Matthew Weis, Courtney Elder, Arjun Meka, Lauren Meyer, Craig S. Jabaley, Milad Sharifpour, Vikas N. O'Reilly-Shah

F20. Restrictive Versus Liberal Transfusion Strategies in Cardiac Surgery: A Systematic Review and Meta-Analysis with Trial Sequential Analysis

Hessam Kashani, Carly Lodewyks, Morvarid S. Kavosh, Christine Neilson, Rasheda Rabbani, Ahmed Abou-Setta, Hilary P. Grocott

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F21. The Effect of Topical and Intravenous Tranexamic Acid on TXA Levels, Thrombogenic, and Inflammatory Markers in Patients Undergoing Total Knee Replacement: A Randomized Double-Blind Controlled Study

Audrey Tseng, Kethy Jules-Elysee, Thomas Sculco, Lila R. Baaklini, Alexander S. Mclawhorn, Amanda J. Pickard, Weige Qin, Justin Cross, Edwin Su, Kara G. Fields, David Mayman

F22. Greater Anemia Tolerance in Females Compared to Males for Inpatient Mortality Mereze Visagie, Kathryn Pearson, Taylor Purvis, Eric A. Gehrie, Steven M. Frank

F23. Mitral Valve Repair Complicated by Left Circumflex Coronary Artery Occlusion: The Vital Role of the Anesthesiologist

Andres Bacigalupo Landa, Jayanand D'Mello

F24. Guidance of A Bi-Caval Dual Lumen Catheter Placement and Diagnosis of a Catastrophic Complex Occlusive Thrombus: Case Report and Literature Review

Sunny Chiao, Amanda Kleiman

F25. Metabolomic Profiling Reveals Sex Differences and a Reduction in Metabolism after Remote Ischemic Preconditioning

Elijah Christensen, Anushri Desai, Trevor Banack, Joel Zylberberg, Nathan Clendenen

F26. Can the Regional Saturation of Oxygen Value Predict Complications Associated with Access-Related Vascular Injury during Transfermoral Transcatheter Aortic Valve Implantation?

Shihoko Iwata, Mihoshi Sato, Sumire Yokokawa, Keisuke Nakazawa, Makoto Ozaki

F27. A Retrospective Review of Complications and Outcomes in Patients Undergoing Extracoporeal Membrane Oxygenation (ECMO): A Single Center Study

Kenneth Joseph, Kimberly H. Burcar, Jayanta Mukherji, Tewodrose Aseffa, Amanda M. Garza

F28. Effect of L-Glutamine on O-Linked β -N-Acetylglucosamine and Heat Shock Protein 70 in the Isolated Ischemic Rat Heart Model

Akiko Kawakami, Tamaki Sato, Yosuke Nakadate, Patricia Roque, Arkady Khoutorsky, Hiroaki Sato

F29. Oxidative Damage, Delirium, and Neuronal Injury in Cardiac Surgery

Marcos Lopez, Christopher G. Hughes, Matthew Shotwell, Frederic (Josh) Billings

F30. Effect of Intranasal Insulin Administration on Glycemia and Plasma Insulin in Cardiac Surgery Patients

Yosuke Nakadate, Patricia Roque, Hiroaki Sato, Tamaki Sato, Akiko Kawakami, Linda Wykes, Renzo Cecere, Dominique Shum-Tim

F31. Prevention of Early Postoperative Decline (PEaPoD): A Randomized Controlled Trial Investigating the Feasibility of a Perioperative Cognitive Training Program

Brian O'Gara, Ariel Mueller, Doris Vanessa Gasangwa, Alvaro P. Leone, Edward Marcantonio, Balachundhar Subramaniam

F32. Protamine-Heparin Neutralization Ratio in Cardiac Surgery

Daniel Szoke, Ravi Taneja, Zach Hynes

F33. Preliminary Results of a Study on the Use of a Wireless Holter-Like Device to Detect Patients with Silent Atrial Fibrillation Leading to New Onset Atrial Fibrillation after CABG

Lian Kah Ti

F34. Turbulent Pulmonary Vein Flow in Adult Patient after CABG

Emily Wang, Aaron Mittel

F35. Glycemic Stress Index: It Is Useful in Every Clinical Scenario?

Swapnil Aswar, Mathieu Georges, Gianluca Bertolizio

F36. Early Mobility in the Cardiothoracic Surgical Intensive Care Unit: A Quality Improvement Study Michael W. Best, Layne Madden, Matthew Wiepking, Salila Hashmi, Maxwell Hockstein, Craig S. Jabaley, Mark Caridi-Scheible

F37. Carbon Footprint of the Critically III: An Economic Input-Output Analysis of the ICU and the Environmental Impact of Delayed Patient Discharge Due to Bottleneck in Availability of Lower Acuity Beds

Adjoa Boateng, Jodi Sherman

F38. Antipsychotic Medication Prescribing Patterns for Management of Intensive Care Unit (ICU) Delirium in 8872 Patients

Christina Boncyk, Christopher G. Hughes, Joanna Stollings, Matthew Shotwell, Xiaoke Feng, Matt Marshall

F39. Clevidipine Use after First-Line Treatment Failure for Perioperative Hypertension in Neurosurgical Patients: A Single-Center Experience

Jaume Borrell Vega, Alberto A. Uribe, Marilly Palettas, Sergio Bergese

F40. Successful Extracorporeal Membrane Oxygenation Utilization for Refractory Acute Respiratory Distress Syndrome Following Orthotopic Liver Transplantation Re-Exploration for Intra-Abdominal Hemorrhage

Anna Ciullo, Suzanne Bennett

F41. Association Between Preadmission Chronic Opioid Usage and 90-Day Mortality in Critically III Patients

Jeong-Pyo Hong, Tak Kyu Oh, Sung-Hee Han, Jung-Hee Ryu, In-Ae Song

F42. Palliative Care Consultants in the Intensive Care Unit: A Systematic Review Diana Hylton, Rebecca A Aslakson

F43. Racial and Ethnic Differences in Healthcare Utilization Following Severe Acute Brain Injury Rayleen Jones, Vijay Krishnamoorthy, Karthik Raghunathan

F44. Outcomes in Patients with Post-Operative Vasoplegia Receiving Angiotensin-II for Vasodilatory Shock

Ashish K. Khanna, Bruce Friedman, Caleb Mackey, Rakshit Panwar, Adam Evans, Laith Altaweel, Damian Handisides, Annette C. Chavez, Ara Klijian

F45. Surrogate Humane Endpoints in Small Animal Models of Acute Lung Injury: A Modified Delphi Consensus Study of Researchers and Laboratory Animal Veterinarians

Ryan McGinn, Dean A. Fergusson, Arnold S. Kristof, Carly C. Barron, Dawn Stacey, Manoj M. Lalu

F46. Discordant Anti-Xa and PTT Levels during Unfractionated Heparin Therapy and Increased Clinical Risk for Adverse Events

Lauren Myers, Andrew Barker, Brant Wagener

F47. Spatial and Temporal Identification of the II-1β Producing Cell Type in the Lung through Primary Cell Expression Profiling in Intact Human and Mouse Lung Tissue

Arun Prakash, Xiaoli Tian

F48. Inflammatory Profile of Murine Septic AKI: Role of CD11c+/CX3CR1+ Antigen Presenting Cells Jamie Privratsky, Jiafa Ren, Benjamin Morris, Steven D. Crowley

F49. Mushroom Poisoning from Amanita Phalloides Resulting in Orthotopic Liver Transplantation Jeremy T. Rainey, Avneep Aggarwal

F50. Role of Innate Immune miRNA→TLR7 Signaling in Sepsis-Induced Coagulopathy in Mice Brittney Williams, Jessica Neder, Lin Zou, Wei Chao

F51. Assessing Post-Surgical Mortality Risk through Nonlinear Coupling of Intraoperative Heart Rate and Blood Pressure Time Series

Alexander L. Young, Hau-Tieng Wu, Willem Van Den Boom, Vijay Krishnamoorthy, Karthik Raghunathan, David B. Dunson

F52. Efficient Trainee Allocation at an ACGME-Accredited Regional Anesthesia and Acute Pain Medicine Fellowship Program

Mushfique Ahmed, Nicholas Schott

F53. The Current State of Combined Pediatric Anesthesiology and Critical Care Medicine: A Survey of Dual-Trained Practitioners in the United States

James Fehr, Timothy P. Welch, Todd J. Kilbaugh, John J. McCloskey, Lindsay Juriga, Arbi Ben Abdallah

F54. Insurance Payor Status Not An Independent Risk Factor for Post-Operative Complications of Anterior Lumber Interbody Fusion Surgeries

John Foote, Daniel Snyder, Sean Neifert, Jonathan Gal

F55. Does a Simulation Course Lead to Improved Management of an Emergency Situation? to Determine the Efficacy of a Simulation Course on Clinical and Non-Clinical Competency Stephanie Herbstreit, Cynthia Szalai

F56. Point-of-Care Ultrasound Education in Anesthesiology: How Can We Use the PGY1 Year? Jon Holzberger, Annette Rebel, Amy Dilorenzo, Randall M. Schell, Jeremy S. Dority

F57. The Impact of Caffeine Ingestion on the Driving Performance of Anesthesiology Residents after Six Consecutive Overnight Work Shifts

Julie Huffmyer, Amanda Kleiman, Matthew Moncrief, David Scalzo, Daniel J. Cox, Edward C. Nemergut

F58. Electronic Decision-Support Tools to Enhance Compliance with Performance Measures for Perioperative Temperature Management

Sameer Lakha, Matthew Levin, Andrew Leibowitz, Hung-Mo Lin, Jonathan Gal

F59. Trends in Monthly Frequency of Common Elective Procedures Based on Insurance Status: A National Inpatient Sample Analysis

Daewoong Lee, Alexander Nagrebetsky, Richard Dutton, Richard D. Urman

F60. Women in Anesthesiology: Playing in the Sandbox Is Not a One "Man" Show Gianni R. Lorello, Tulin Cil, Fiona Webster, Alana Flexman

F61. Women Program Directors in Anesthesiology: Closing the Gender Gap Andrea N. Miltiades, Alexander Rusanov, Teresa Mulaikal, Maya Hastie

F62. Use of 30-Day Versus 90-Day Mortality Rates Following Cardiac Surgery to Compare Quality in New York State

Aaron Mittel, Dae Hyun Kim, Zara Cooper, Michael Argenziano, May Hua

F63. Citation of Retracted Articles in Anesthesiology: A Systematic Review

Singh Nair, David Adams, Jonathan Leff, Ellise Delphin, Benjamin Schwartz

F64. Reliability Analyses of the Objective Structured Clinical Examination (OSCE) Component of the Applied Certification Examination using Generalizability Theory

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Justyne Decker, Arash Motamed, Carol J. Peden

F70. Hemodynamic Effects of Dexmedetomidine on Elderly Patients with Proximal Femoral Fractures Under Spinal Anesthesia

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F74. Management of a Thrombus Overriding a Patent Foramen Ovale in a Patient with Concomitant Pulmonary Embolism

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F76. Anesthetic Experience with MR-Guided Infusion of Adeno-Associated Virus Encoding Human Aromatic L-Amino Acid Decarboxylase (AADC) into the Midbrain of Pediatric Patients with AADC Deficiency

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F88. The Other Negative Pressure Cavity: A Rare Case of an Epidural-Induced Pleural Effusion Genevieve Manahan, Jonathan Kim, Christine Choi, Kashif Khan

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F152. Children and Adults with Congenital Heart Disease Show No Difference in Scores on Measures of Behavior As Compared to Their Healthy Peers: A Systematic Review and Meta-Analysis William M. Jackson, Mohammad Sadat, Lena Sun

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Kerstin Kolodzie, Eshandeep S. Boparai, Özlem S. Cakmakkaya, Mehdi Tavakol, John Feiner, Claus U. Niemann

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Akhilesh Pahade, Itee Chowdhury, Ashita Mowar

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Soon Ji Park, Ju Yeon Park, Hyun-Su Ri

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F177. Association Between Severity of Perioperative Acute Kidney Injury and Progression of Chronic Kidney Disease Following Non-Cardiac Surgery

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Andrea Vannucci, Kevin Prifti, Anne Sebastiani, Isabella Rossi, Daniel P. Lander, Daniel Helsten, Dorina Kallogjeri, Laura F. Cavallone

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F188. Ultrasound Guided Stellate Ganglion Block for the Treatment of Electrical Storm Refractory to Percutaneous Ablation: A Case Report

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F189. Ambulatory Continuous Femoral Nerve Block Drastically Reduces Hospital Stay, SNF Admission, Readmissions for Pain and Opioid Prescriptions after TKA and THA

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F190. Perineural Membranes Revisited: A Thus Far Undescribed Internal Epineurium? Cameron Smith, Richa Wardhan, Andre P. Boezaart, Anna Server, Linda Le-Wendling, Miguel A. Reina

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Peggy Seidman, Samuel Boas, Ryan Nazemian, Carlyann Miller, Anand Kumar, Corinne E. Wee, Brian Paoletti

F195. Feasibility of a Novel Point of Care Ultrasound (PoCUS) Tool to Evaluate High Risk Ob-Structive Sleep Apnea (OSA) Patients in the Perioperative Setting: A Prospective Cohort Study

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Garrett W. Burnett, Anjan Shah, Christina L. Jeng

F198. Increased Peripheral Venous Pressures (PVP) Are Not the Same? (Impact of Different Physiological Challenges on PVP)

Anna-Maria E. Eid, Abdallah Yassin, Mona A. Ganash, Mai Khairy, Somaia A. Mohamed, Samar Seleem, Aymen Alian

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Sophia Koessel, Robert Maniker

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Kelly Michaelsen, Logan Bussey, Srdjan Jelacic, Kei Togashi, Bala Nair, Justin Hulvershorn, T. Andrew Bowdle

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F202. Variability in Examining Residual Neuromuscular Blockade after the Use of Neuromuscular Blocking Agents: A Systematic Review of Randomized Controlled Trials

Amit D. Raval, Jennifer Uyei, Vamshi Ruthwik Anupindi, Cheryl P. Ferrufino, Andreas Karabis, Diana Arper, Lori D. Bash, Sorin Brull

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F204. Development of a Head-Mounted Holographic Needle Guidance System for Enhanced Ultrasound Guided Regional Anesthesia

Julian Wiegelmann, Clyde Matava, Paul McHardy, Stephen Choi, Oskar Singer, Lilia Kaustov, Fahad Alam

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